UNIVERSITY OF DAR ES SALAAM

POSTGRADUATE PROSPECTUS
2025/2026

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We are delighted that you have decided to undertake your tertiary studies at the University of Dar es Salaam. This Prospectus describes the range of our courses and different activities undertaken at the University which provide you with a flavour of life in our various campuses. The University of Dar es Salaam is a unique community of students and staff dedicated to bringing out the best in all its members. Our aim is to provide the best possible environment for teaching, learning, research and public services. Our track record of success is well known in East Africa, Africa and the rest of the world. We will continue to ensure that your years at this University will be filled with excitement and experiences that you can treasure for a lifetime. We also recognise that the quality of student experiences derives from more than academic study. That is why the University encourages students to join and actively participate in activities of the students' union and use various sports and recreational facilities available, e.g. swimming pool, cricket, athletics and soccer fields. The University of Dar es Salaam is also at the interface of national and international higher education innovations and initiatives.

The University has taken requisite steps to make sure that the information in this Prospectus about course contents, structure, teaching facilities and staffing is accurate and up-to-date. Students are, however, warned that due to logistical limitations, the University cannot guarantee that all the elective courses featured in this Prospectus will necessarily be offered during this academic year.

I hope that you will find this Prospectus useful and interesting. Should you not find what you are looking for, please do not hesitate to contact the Directorate of Postgraduate Studies for further assistance.

Once again, I warmly welcome you to the University of Dar es Salaam and look forward to working with you towards the achievement of your academic ambitions.

Prof. William-Andey Lazaro Anangisye
VICE-CHANCELLOR
October, 2025

INTRODUCTION TO THE UNIVERSITY OF DAR ES SALAAM

The University of Dar es Salaam is the oldest public university in Tanzania. It is situated on the western side of the city of Dar es Salaam, occupying 1,625 acres on the observation hill. It is 13 kilometers from the city centre. It was established on 1st July 1970 through the Parliament Act No. 12 of 1970 and all the enabling legal instruments of the constituent colleges.

The University is currently focusing on extending postgraduate training including PhD by coursework and dissertation, distancing e-learning programmes and increasing the diversity of programmes on offer. The Vision 2061 motivates the University of Dar es Salaam to excel in postgraduate studies through benefiting programmes and learning environment thus builds on a solid foundation to reach new heights of excellence nationally and globally as the premier institution for postgraduate education, innovation, and discovery.

The University has nine campuses – UDSM Mwalimu J.K. Nyerere Main Campus, Institute of Marine Sciences (IMS) located in Zanzibar; School of Journalism and Mass Communication (SJMC) located at Mikocheni, Dar es Salaam; School of Aquatic Science and Fisheries Technology (SoAF) located at Kunduchi Beach; College of Information and Communication Technology (CoICT) at Kijitonyama, Dar es Salaam, University of Dar es Salaam Mineral Resources Institute (UDSM – MRI) in Dodoma and Nzega, Mbeya College of Health and Allied Science (MCHAS) located in Mbeya; Dar es Salaam University College of Education (DUCE) located at Chang'ombe, Dar es Salaam; and Mkwawa University College of Education (MUCE) located in Iringa. Every year, candidates are admitted into the University of Dar es Salaam to pursue various degree programmes/courses tenable at the mentioned campuses.

The University has continued to grow and expand in terms of diversified academic programmes and student numbers. The number of students admitted at the University of Dar es Salaam has been increasing steadily. There were only 14 students in 1961. Presently, the University has a population of over 40,000 students pursuing undergraduate and postgraduate degrees and non-degree programmes respectively. With regard to academic programmes, the University offers various programmes leading to the award of certificates, diplomas, undergraduate, postgraduate diploma, master's and PhD degrees.

The University admits local students as well as foreign students from several countries worldwide through established links, exchange programmes or individual applications. Most of the postgraduate students receive their bursaries from their respective governments. Also, students from other countries are considered for admission to undergraduate and postgraduate studies on self-sponsored basis.

A: STUDENT ADMINISTRATION

The Department of Student Administration, headed by the Dean of Students, deals primarily with the personal and social welfare aspects of the student's life. The following facilities are provided by the office of the Dean of Students: residence, games and sports, worship, student counseling on various problems, and career guidance. The Dean of Students also assists the Deputy Vice Chancellor (Administration) in student disciplinary matters.

Residence

A limited number of rooms in the Halls of Residence is available on application before the beginning of the academic year. Accommodation in the halls is therefore not guaranteed for every student. Therefore, students are urged to find their own accommodation outside the halls. Presently, there are seven Halls of Residence at the Mwalimu Julius Nyerere Mlimani campus. There are also residential places for students at Hon. Dr. John Pombe Joseph Magufuli Hostels, Ubungo Hostels, Mabibo Hostels, Kunduchi Hostels, and CoICT Hostels.

Payment of rent is made to the University Students Accommodation Bureau (USAB) offices located near Hall V premises and through the NBC Ltd. on campus. No student will be given a room in the Halls of Residence until s/he has paid the prescribed rent. Priority for on-campus accommodation is given to students with disabilities, foreign students and female students from up country.

Student Activities

Most of the student activities are organised by DARUSO, the students' union. DARUSO is concerned with the students' academic, political, social and recreational activities. Students are encouraged to form academic/professional organisations. They are also encouraged to form and join social organisations that have been registered. New social and academic organisations are registered at the Dean of Students office.

Games and Sports

The University main campus has a range of sporting facilities. These include an international size track field, a swimming pool, tennis courts, soccer pitches, netball and basketball courts, hockey and cricket fields. A well-equipped gymnasium, badminton and squash courts are also available.

Students can therefore participate in recreational activities such as athletics, swimming, lawn tennis, table tennis, soccer (football), basketball, netball, hockey, badminton, cricket, handball and boxing to have fun, maintain healthy lifestyles, and socialise.

Religious Activities

Students and staff of the University of Dar es Salaam have complete freedom of worship based on their spiritual beliefs, within the limitations of the laws of the country and Student By-Laws. At the Mwalimu Nyerere Campus, there is a Mosque for Moslems whereas Christians' worship services are conducted at the Joint Christian Chapel. Both facilities are situated near Hall No. 4 along Biafra and Kilimahewa Roads.

Catering

The University offers cafeteria services for all meals to students at subsidised rates. The meals are paid for at the cafeteria counters. There are three cafeterias and the number of canteens on the main campus which have the capacity to serve the present student population. Other food outlets available on the main campus are found at CoET, Administration Block, Hill Park, Magufuli Hostel and UDASA Club.

B. COUNSELLING UNIT

The Counselling Unit is under the Directorate of Social Services which is under the Deputy Vice Chancellor Administration. This Unit provides integrated guidance and counselling services as well as support to students and staff of the University of Dar es Salaam in various areas such as:

i. Psycho-social concerns: e.g. sexual harassment, social abuse, discrimination, stigmatisation, bullying, anger and stress management, anxiety and depression, retirement and retrenchment, marital issues, grief/loss, work and life balance, prevention, special needs, rehabilitation, conflict resolution, sexuality, relationships, and suicide.

ii.   Academic concerns: e.g. academic underperformance, low productivity, absenteeism, professional misconduct and work related stress, career guidance and counselling.
iii. Health related concerns: e.g. diabetes, HIV/AIDS, cancer, high and low blood pressure and psychological disorders.
iv.   Economic and Financial concerns; e.g. handling of finances, debt and other economic challenges.

Contact address:
Head of Counselling Unit,
University of Dar es Salaam,
P.O. Box 35091,
Dar es Salaam.
Tel: +255 736393936

C: MEDICAL SERVICES

The University of Dar es Salaam Hospital provides preventive, curative and restorative health services to students, staff and the general public. The Hospital is located within the Mwalimu J. K. Nyerere Mlimani Campus. The University also runs dispensaries located at Mabibo hostels and the Institute of Marine Sciences (Zanzibar), as well as first AID services at Dr. John Joseph Pombe Magufuli hostels, the School of Journalism and Mass Communication, and the College of Information and Communication Technologies.

The Hospital and its dispensaries are accredited to offer services to National Health Insurance Fund (NHIF) beneficiaries. All students are required to join NHIF by paying a specified amount of money by following the procedures given on ARIS3. Students who fulfil the procedures will be provided with NHIF membership, allowing access to treatment at the Hospital and other accredited health facilities countrywide. Students who fall sick during examinations are advised to report to their respective departments and the Hospital for treatment and further directives. If a student wants to postpone examinations or studies on a medical ground, they must submit an authentic medical report from a recognised hospital.

HIV and AIDS continue to pose significant health challenges, particularly among individuals aged 15 to 49 years. Current data shows that over 40% of new HIV infections occur in young people aged 15 to 24. Preventive measures include abstinence, being faithful to one uninfected partner, limiting the number of sexual partners, and the consistent and correct use of condoms. The UDSM Hospital provides free HIV counselling, testing, and treatment, ensuring strict confidentiality.

Each student is encouraged to register for the online Life Skills Course namely, Comprehensive Sexuality Education (CSE), offered free of charge through the UDSM website. This course equips students with knowledge and skills related to health issues and managing various challenges at the University. The course consists of five modules:
i.   Adolescence and Sexuality
ii. Sexual and Reproductive Health, HIV/AIDS and STIs
iii. Relationships
iv. Gender-Based Violence
v.   Resource Management

Students may register for the CSE online course at https://www.udsm.ac.tz.
Username   Your registration number
Password   Cvl@2023
Search for the course: CSE 2021 (space between CSE and 2021)
Enter enrolment key: CSE2021 (no space)

In case of an emergency, please dial any of the following numbers for assistance: 0739260861 (Medical Officer in Charge), 0737830053 (Ambulance Services), and 0737828559 (Emergency Section, University of Dar es Salaam Hospital).

D: DIRECTORATE OF LIBRARY SERVICES

The University Library is the heart of the University's academic and research endeavours that provides information services to support teaching, learning, research, and innovation. The library is operating in two library buildings (i.e. Dr. Wibert Chagula and University Library (New) with both academic (20) and administrative staff (119) whereby the former are involved in teaching, research, consultancy services as well as managerial functions, and the latter are involved in the direct provision of library services. The Library is a national depository, which collects materials published in Tanzania and are housed in the East Africana Collection. These materials include books, journals, research reports, as well as other Government and University publications. It also includes materials on the former East African Community, the Liberation Movement, and SADC publications.

The library has three managerial departments namely: Reader Services, Technical Services, and Research and Publication. Each department is headed by an academic member of staff who oversees the functions of the respective departments. The library has three subject-based collections namely: Arts and Social Sciences, Law and Science, as well as Engineering. Along these, the library houses other collections including Reference and Document Delivery and East Africana. These collections provide specialised services to users undertaking research and courses in various subject areas. These collections consist of books, journals, and other materials in the respective subject areas, both in print and electronic information services. Currently, the library has subscribed to eleven (11) databases (https://www.udsm.ac.tz/web/ index.php/institutes/library/subscribed-e-resources) and provides access to forty-nine (49) free access scholarly databases (https://sites.google.com/site/udsmvirtuallibrary/), and seven (7) e-theses and dissertations databases (https://www.udsm.ac.tz/web/index.php/institutes/library/e-theses-and-dissertations). These resources are accessible on-campus using the University Internet and off-campus to illegible members of the University academic community.

The library has an ICT section which is managed by system administrators who oversee the smooth running of the ICT network and equipment. In addition, the Library has a training wing known as the Information Studies Programme that offers Bachelor, Master and PhD degree programmes in Library and Information Studies as well as Records and Archives Management. Besides these, the library provides reading space to 2500 students, staff, and other external users at a time.

Library Opening Hours

DURING SEMESTER TIME			
DAYS	**DAY TIME**	**BREAK**	**NIGHT**
Monday - Saturday	8:00 am - 6:30 pm	1 Hour	7:30 pm - 10:30 pm
Sunday	2:00 pm - 6:30 pm	1 Hour	7:30 pm - 10:30 pm
Public Holidays	8:00 am - 6:30 pm	1 Hour	7:30 pm - 10:30 pm
DURING VACATION			
Monday - Friday	8:00 am - 5:00 pm	Closed	
Saturday	8:00 am - 3:30 pm	Closed	
Sunday & Public Holidays	Closed	Closed	

For more information about the library services, resources and programmes, visit our library web page at https://www.udsm.ac.tz/web/index.php/institutes/library.

E: INNOVATION, ENTREPRENEURSHIP AND OUTREACH

The University of Dar es Salaam offers innovation, creativity and entrepreneurship training and skills development through the Directorate of Innovation and Entrepreneurship (DIEN) and other relevant units that are based in the Colleges, Schools and Institutes. The mission of the Directorate is to promote

development of knowledge, skills and technologies that are geared towards solving societal problems through innovations. Our aim is to produce graduates who are job creators rather than job seekers. Students are urged to get involved in the activities of this Directorate.

F: TRANSPORT SERVICES
Transport services for students are available at a reasonable price. Students residing at Mabibo Hostels are served by shuttle busses available daily. The services run from 06.00 hrs to around 22.00 hrs during the semester and from 06.00 to 20.00 hrs during vacations. Commuter buses (Daladala) from Mwenge via the University to Ubungo or Changanyikeni are also available.

G: WORSHIP AND SPIRITUAL COUNSELING SERVICES
Students and staff can access worship and spiritual counseling services at the Mosque for Moslems and the Joint Christian Chapel which are both situated near Hall No. 4 along Biafra and Kilimahewa Roads. Moreover, there is a complete freedom of worship based on one's spiritual belief, within the limitations of the laws of the country and student by-Laws.

H: SECURITY AND SAFETY MANAGEMENT SYSTEMS
The University of Dar es Salaam Security and Safety Management Systems consist of the National Police Station, the University Auxiliary Police Unit and the Private Security Companies which have security contract with the University Management. All students are cautioned to secure themselves and their colleagues by instilling in their minds the attitude of being always alert with security consciousness spirit and self-awareness against unpredicted crimes. Whenever Police assistance is needed, an individual is advised to report immediately by calling the UDSM Police Auxiliary Department through number: +255 (0) 737 777044 and +255 (0) 754 333322.

I: SHOPPING FACILITIES
The University has basic shopping facilities at the Mwalimu Julius Nyerere Mlimani Campus as well as Mabibo Hostels. All facilities have been outsourced to private business people. There is a major Shopping Mall at Mlimani City, which is located within the Mwalimu Julius Nyerere Mlimani Campus along Sam Nujoma Road. It is one of the most comprehensive and one stop shopping centre in Dar es Salaam and Tanzania with a bookshop, major banks (NMB, NBC, CRDB, EXIM, KCB etc), a Bureau de Change, Travel Agent, and mobile telephone service providers (TTCL, Vodacom, Halotel, Tigo and Airtel).

J: PUBLISHING AND BOOKSHOP
The University has a bookshop, which is currently operated by elite bookstore. It is located at the Mwalimu Nyerere Mlimani Campus near Cafeteria 1 and 2. Students can also buy books from the bookstore at the Mlimani City Shopping Mall.

K: STATIONERIES, PRINTING AND PHOTOCOPYING
There are University operating photocopying services situated in the University Library and the College of Engineering and Technology (CoET) offered at reasonable prices to UDSM staff and students. Almost all major academic units and offices have photocopying facilities which are dedicated to staff members. Other printing, photocopying and stationery services are operated by private enterprises and they are located on campus as well as in the neighbourhood.

L: BANK SERVICES
UDSM staff and students can access bank services of major banks (CRDB, NBC and NMB) which have their branches at the Mwalimu Julius Nyerere Mlimani Campus. ATM services are also available on campus. More banks and financial services, including Bureau de Change are available at the Mlimani Shopping Mall which is situated on campus.

M: POSTAL SERVICES

There is a Post Office located at the Mwalimu Nyerere Mlimani Campus near Cafeteria 1 and 2. The office provides all postal services.

N: MUSEUMS

The University of Dar es Salaam Museum Trail consists of two beautiful museums and a botanical garden. The two museums are located at the Heritage Building and the Zoology Museum at the Science Complex. The botanical garden is a tranquil extension of the University Museum's Natural History. The museum displays objects from our cultural and natural historic collections which are an invaluable and international infrastructure for research.

Opening Hours of the Museum at the Heritage Building

DAYS	TIME
Monday - Friday	9:00 am - 4:00 pm
Saturday & Public Holidays	10:00 am - 2:00 pm

NB: There is an entrance fee and booking is required. For more inquiries, please contact us at museum@udsm.ac.tz.

DIRECTORATE OF POSTGRADUATE STUDIES

The Directorate of Postgraduate Studies (DPGS) was established in 1981 as a department within the office of the Chief Academic Officer (CACO). Due to the significant expansion of postgraduate programmes and enrolment, it was reorganised into a fully functional graduate training institution in 2006. Subsequently, it was reverted to DPGS to align with the University's current organisational structure. The primary responsibilities of DPGS include overseeing, coordinating, and supporting all postgraduate activities at the University such as admissions, registration, examinations, and teaching. The number of postgraduate students has grown from around 100 in 1993/94 to over 5,000 in 2023/2024 within the same time frame.

The University offers a wide range of postgraduate programmes at postgraduate diploma, master's and PhD levels. Currently, there are 13 postgraduate diploma, 164 master's, and 93 PhD degree programmes. Among these, 18 PhD programmes are offered by coursework and dissertation, while the rest are offered by research and thesis. The postgraduate offerings encompass a wide array of disciplines, including basic and applied sciences, education, social sciences, humanities, as well as professional fields like engineering, medicine, law, and business administration. It is also possible for one to pursue a PhD degree programme in any academic department at the University of Dar es Salaam provided that the applicant has adequate qualifications and supervisors as well as facilities are available in the chosen field of study.

Detailed information on various programmes is available in this prospectus under the respective academic units, as well as in the booklet on the University of Dar es Salaam General Regulations and Guidelines for Postgraduate Programmes. Additional information is found on the University's website at www.udsm.ac.tz.

1.0 GENERAL INFORMATION

1.1. Submission of Applications

The University of Dar es Salaam has launched an Online Application Portal which allows applicants to apply for admission through the following link: www.udsm.admission.ac.tz. The online system for application will be open for three intakes as follows:

i.   **March Intake**: applicants may choose for only programmes offered in March or any programme offered by thesis.
ii. **July Intake**: this is specific for only two programmes at UDBS and UDSoL, namely, Master of Business Administration (Evening) and Master of Intellectual Property.
iii. **October Intake**: this is for all programmes except for those offered in March by coursework and dissertation.

The procedures for application are available on the university website through www.udsm.ac.tz.

1.2. Application Fees

i.   All applicants are required to pay a non-refundable application fee. The fee should be paid and a receipt uploaded during online application except for foreigners who will effect the payment during registration.
ii. The fees will be revised from time to time as the need arises. Information on the fees applicable for any given year is obtainable from the College/School/Institute Principals/Deans/Directors, the Director of Postgraduate Studies and the University Prospectus.

1.3. Entry Requirements

1.3.1. Postgraduate Diploma

A person should have at least a bachelor's degree, advanced diploma or its equivalent from a recognised higher learning institution. Candidates with equivalent qualifications must also possess at least secondary school certificates with credit passes.

Duration: 12 months.

1.3.2. Master's Degree

i.   The entry requirements for a master's programme by coursework and dissertation requires a person to have at least a lower second class degree (GPA of 2.7) or its equivalent from a recognised higher learning institution. Only candidates with GPA of 3.5 or above in their first degrees are considered for Masters by thesis.
ii. Applicants who hold unclassified degrees (e.g. B.V. Sc. M.D. etc.) should have at least a B grade average in the subject of the intended Masters. Candidates with Pass degrees will also be considered if:
   a) Their undergraduate performance in the proposed subject of study was a 'B' grade or higher; and
   b) They have satisfied the relevant School/College/Institute that they have exhibited potential through subsequent research experience and/or additional training.
iii. An advanced diploma from a recognised higher learning institution with a minimum of an upper second class plus postgraduate diploma and secondary school certificates.
iv. A recognised professional qualification (CPA, CSP, ACCA, CA, CIB, MCIM, CMA certificate) plus secondary school certificates.

1.3.3. Doctor of Philosophy (PhD) Degree

The University of Dar es Salaam offers a Doctor of Philosophy degree programme either by thesis or by coursework and dissertation. Applicants must have a good relevant master's degree from the University of Dar es Salaam or any other University recognised by TCU.

1.4. Registration

1.4.1. Candidates will be registered either for coursework study followed by research leading to a dissertation, or by research leading to a thesis without a prescribed coursework component.
1.4.2. Candidates may register as full-time or part-time students. Registration will take place during the first three weeks of Semester I and Semester II for the respective intakes.

i. Candidates selected for admission shall be required to register at the commencement of the first academic year of their studies.
ii. Registration shall take place in the first two weeks of the respective academic year and shall be effected upon submission by the candidate of a dully filled registration form and upon submission of the following:
   a) Evidence of payment of the University fees;
   b) Copies and the original transcripts and certificates. [The originals will be returned to the candidate after physical verification];
   c) Two stamp-size (or passport-size) colour photographs; and
   d) Copy of valid passport for foreign students.
iii. Candidates shall renew their registration at the beginning of every subsequent year by submitting a duly filled form (UDSM/PG. F2) and upon paying the fees due to the University.
iv. Failure to renew registration shall lead to automatic discontinuation from studies.
v. Registration of new and continuing students shall take place within two weeks from the first day of the commencement of the academic year. Students seeking registration during the third week shall be liable to a surcharge paid per day as the Council may from time to time prescribe. No student shall be registered after the fourth week since the commencement of the semester.
vi. Registration for purposes of this regulation shall be effected through form UDSM/PG. F1.
vii. Candidates shall only be registered by names appearing on their certificates or a gazetted Deed Poll showing a legal change of names before registration. No change of names by students shall be entertained during the course of study at the University.

1.4.3. No student shall be allowed to postpone studies after effective commencement of an academic year except for special circumstances and upon producing satisfactory evidence of the reason for postponement. For the purposes of this rule, special circumstances shall include:
   a) Sickness;
   b) Serious social problems (each case to be considered on its own merit); or
   c) Severe sponsorship problem.

1.4.4. Students shall be allowed to be away from the University studies for a maximum of two years if they are to be re-admitted to the same programme and year of study where they left off.

1.4.5. Candidates who are desirous of changing subjects/courses/programmes shall be allowed to do so after registration and within two weeks after commencement of the academic year. No candidate shall be allowed to change subjects/courses/programmes after the third week of commencement of the semester.

1.4.6. With valid reasons candidates within their studentships may apply for permission to change their study programme delivery modes and campus transfer within the University of Dar es Salaam from the DVC-academic using UDSM/PG. F4.

1.4.7. Transferring from one academic programme to another will be allowed only if the candidate possesses the required admission criteria for the programme for which transfer is being sought and a vacancy exists in that programme.

1.4.8. Every registered candidate is required to submit a progress report (through the ARIS online system) to their supervisor who shall forward to the College/School/Institute through the Head of Department.

1.4.9. A candidate who fails to submit a progress report within six months of the due date of submission shall be required to show cause in writing for their failure to show progress in studies.

Masters by Coursework and Dissertation
Students who intend to do their Masters degree by coursework will have to observe the following procedures:
   i. To complete the coursework component of the programme a student must pass a minimum number of units, including all prescribed core courses in the programme; and

ii.   On Senate's approval of the results, the candidate proceeds to the dissertation phase of the programme. It is essential that they write and table a comprehensive proposal in a departmental seminar for the departmental postgraduate studies committee to review and approve.

Masters by Thesis

Having satisfied the admission criteria for Masters Degree by thesis, candidates will have to observe the following procedures:

i.   Within four months of registration, the candidate must have presented a comprehensive substantive research proposal in a departmental seminar for all (especially the Department's Postgraduate Studies Committee) to review;

ii.   Guidelines on writing a research proposal are detailed in appendix II. The proposal should not exceed 20 pages in length, typed in 12-point font (Times New Roman, CG Times or Times) and have double-spaced lines. Each member of the department's postgraduate studies committee should be given a copy of the proposal for scrutiny at least seven days before the date of the seminar presentation;

iii.   If satisfied with the proposal's quality, the department submits the proposal to the School's/ Institute's/College's Postgraduate Studies Committee. Students shall present the proposals themselves to the School's/Institute's/College's Postgraduate Studies Committee;

iv.   The School's/Institute's/College's Postgraduate Studies Committee will subsequently approve the proposals and reports to the SPSC for noting;

v.   Research proposals for Masters by thesis candidates must be submitted to the School's/ Institute's/College's Postgraduate Studies Committee and approved within six months from the date of formal registration;

vi.   The duration of the registration period for Masters by thesis candidates, including six months of developing and submitting a research proposal, shall be two years for full-time candidates and three years for part-time candidates; and

vii.   Students registered for Masters degree programmes by thesis may, on the recommendation of the relevant College/School/Institute Board, be required to do one or more formal courses appropriate to their fields of study. In addition, students are advised to undertake short courses in Communication Skills and computing.

1.5. Extension of Registration Period

i.   Candidates who, for valid reasons, fail to complete their theses/dissertations within the specified period may apply through ARIS3 for an extension of the registration period.

ii.   Students on extension shall pay the same amount of fees for the semester as others who are in their normal period of study.

iii.   The extension period shall not exceed six months for full-time and twelve months for part-time candidates at a time.

iv.   Under very special circumstances, the SPSC may consider a further extension of registration period for a maximum of six months provided that the period allowed shall be within the maximum allowable period of registration.

1.6. Postponement of Studies

Postponement of studies shall not be entertained. However, under special circumstances, permission to postpone studies may be considered as per UDSM Postgraduate Guidelines and Regulations 2018, Section 1.5.3, for students at the coursework phase. Students on thesis and dissertation phase shall be required to freeze registration as per regulations Section 1.5.15.

1.7. Freezing Registration

i.   If, for any sound reason, a candidate fails to continue with their studies, they may apply to the SPSC for freezing of the statutory registration period through their Department and College, School, or Institute (The statutory period means the programme duration in which the student must complete studies, for example 18 months, 24 months, 36 months etc.).

ii.   The maximum period for such freezing shall be two years.

iii.   Freezing of registration is not allowed for students during the coursework phase.

1.8. Maximum Period of Registration

i.   The maximum period of registration for a postgraduate diploma shall be three years for full-time and four years for part-time studentsm

ii.   The maximum period of registration for a Master's degree shall be four years for full-time and five years for part-time students.

iii.   The maximum period of registration for a PhD degree shall be six years for full-time and eight years for part-time students.

iv.   A candidate who fails to complete the study programme within the maximum period of registration shall be discontinued from studies.

v.   A candidate who is discontinued from studies for a reason of expiration of maximum registration period shall be informed in writing about such discontinuation. However, failure to access a letter of discontinuation shall not be accepted as a ground for appeal against the discontinuation decision.

1.9. Transfer of Registration

Where it has been specified in a degree programme:

i.   A postgraduate diploma candidate with a coursework average of B+ or higher may, on the recommendation of the department and the School/Institute/College Higher Degree Committee, apply to the Senate for permission to transfer registration to that of a Master's degree. The Senate will determine the contribution of the work done under postgraduate diploma candidacy towards the master's degree applied for. No candidate shall acquire both postgraduate diploma and master's degrees from the same programme.

ii.   A student pursuing a master's degree by thesis may, on the recommendation of the department and college, school or institute concerned, apply through SPSC to the Senate for permission to transfer registration to that of a PhD. In considering the application, the Senate will determine what recognition may be given to the period which the applicant has completed during their studentship for Masters, as a contribution towards the fulfillment of the requirements for the degree of Doctor of Philosophy. No candidate shall acquire both Masters and Doctorate from the same programme;

iii.   A student for a Master or PhD degree may, on the recommendation of the Head and Principal, Dean, or Director concerned, apply through SPSC to the Senate at any time before submission of the thesis for permission to transfer registration to that of postgraduate diploma or master's degree respectively, subject to the availability of the relevant programme; and

iv.   A PhD or Masters candidate whose thesis examiners are either in disagreement or have recommended thesis revision and resubmission may, on their request and recommendation of the college, school, or institute board, transfer registration to a master's or a relevant existing postgraduate diploma programme respectively.

2.0. COURSEWORK EVALUATION

2.1   Candidates registered for postgraduate diploma, master's or PhD programme by coursework and dissertation programmes shall sit for course examinations following assessment procedures approved by the relevant College/School/Institute, SPSC and Senate. Unless stipulated otherwise, the General University Undergraduate Examination Regulations shall be used to guide the conduct of examinations of all postgraduate courses.

2.2   In all colleges, schools, and institutes, the relationship between letter grades, award, numerical score and grade points shall be as follows:

Letter Grade	Award	Numerical Score (%)	Grade Point
A	Excellent	70 – 100	5
B+	Very Good	60 – 69	4
B	Good (min. passing grade)	50 – 59	3
C	Marginal Fail	40 – 49	2
D	Fail	35 – 39	1
E	Absolute Fail	0 – 34	0

2.3 All coursework examination results must be submitted to the relevant Boards of the Colleges/Schools/Institutes, SPSC and Senate for approval.

2.4 Presentation of examination results to Boards of Colleges/Schools/Institutes; SPSC and Senate shall be in accordance with the University approved format.

2.5 Candidates must successfully complete the coursework phase before they are allowed to proceed to the dissertation phase. Successful completion of the coursework phase shall mean attainment of a "B" grade or above (i.e. a grade point average (GPA) of at least 3.0) in all examinations.

2.6 Candidates who fail in one or more examinations, but whose GPA is 2.7 and above shall be allowed to do supplementary examination(s) in the failed course(s).

2.7 Candidates who fail to attain a GPA of at least 2.7 shall be discontinued from studies. Candidates who fail in any supplementary examination and have a GPA of 3.0 and above may be allowed to repeat the failed course(s) but shall not be allowed to proceed to the dissertation phase before passing the failed course.

2.8 Candidates who fail to attain a GPA of at least 3.0 after supplementary examinations shall be discontinued from studies.

2.9 Departments/Colleges/Schools will administer supplementary examinations within a period of three months of Senate approval of the results.

2.10 All courses shall be subjected to the external examination process.

2.11 Computation of the final GPA for a degree shall be based on the minimum number of units required to complete a degree programme or the closest number marginally exceeding the prescribed minimum by including:
   i.   All the prescribed core courses; and
   ii. The best performed elective courses.

2.12 Grades of all courses attempted by the candidate shall appear in the transcript.

2.13 The General University Undergraduate Examination Regulations shall govern the handling of examination irregularities except for where it is indicated "Undergraduate Studies Committee" should read "Postgraduate Studies Committee".

3.0 REGULATIONS ON THESIS/DISSERTATION PHASE

3.1 General Regulations

3.1.1 Candidates doing a postgraduate programme by coursework and dissertation and who have qualified to continue with the dissertation phase after the coursework part shall be required to submit a dissertation in partial fulfilment of the degree requirements, after a specified period set by the relevant college, school or institute.

3.1.2 In the case of some colleges, schools, or institutes where the dissertation constitutes a small proportion of the degree programme (i.e. less than 50% of the study units), the college, school, or institute regulations for the submission and examination of dissertations shall apply.

3.1.3 Both dissertations and theses shall be examined and graded with a letter grade according to form UDSM/PG. F9.

3.1.4 The grade for the dissertation shall contribute to the final grade point average (GPA).

3.1.5 Before the initial submission of the dissertation/thesis, all thesis and dissertation postgraduate candidates shall make a presentation to the departmental postgraduate studies committee which shall approve such submission.

3.1.6 All PhD by thesis and dissertation candidates shall be required to produce at least one paper, published or accepted for publication in a journal recognised by UDSM, during the course of their study programme.

3.2 Notice of Intention to Submit a Dissertation

At least three months before submitting a dissertation or a thesis, a candidate shall, through the supervisor, department and college/school/institute, give notice in writing to the Chairperson, SPSC expressing the intention to submit the dissertation/thesis. This notice shall be submitted using form UDSM/PG. F8.

3.3 Academic Dishonesty

3.3.1   Acts of academic dishonesty shall include, but are not limited to:
        a)   plagiarism, or
        b)   academic cheating.

3.3.2   The term "plagiarism" shall be understood to mean: the presentation of another person's works (published or not), ideas or creation from any source as if they were one's own; or presentation of one's own ideas, previously published or not, without disclosing or acknowledgement. It should be of three categories as detailed in the *UDSM General Regulations and Guidelines for Postgraduates Programmes 2018, Section 3.3.*

4.0 EXAMINATION OF MASTERS THESES/DISSERTATIONS AND DEGREE AWARDS

4.1 General Regulations

4.1.1   All Master's candidates must present their dissertations/theses to the departmental postgraduate studies committee to approve that the given dissertation/thesis is ready for examination.

4.1.2   Every dissertation/thesis shall be examined by at least two examiners who are specialists in the area and approved by the relevant College/School/Institute Board, SPSC and the Senate. At least one of these must be external to the University.

4.1.3   Internal examiners must be members of the academic staff of the University. The candidate's supervisor may not act as the internal examiner.

4.1.4   Transmission of theses/dissertations is the official responsibility of colleges, schools, and institutes, using their share of examination fees.

4.1.5   (a)   The examiners shall be required to submit their detailed reports on the thesis/dissertation within a period of two months from the date of receipt of the thesis and within a period of one month for a dissertation.

        (b)   The examination report shall contain a detailed description and focus as per grading form UDSM/PG. F9.

4.1.6   If the reports are not received within three months, new examiners shall be appointed.

4.1.7   Each examiner shall also be required to summarise their report on the thesis/dissertation by filling in the Summary Form UDSM/PG. F6 with a definite recommendation for one of the following actions:
        (a)   The degree be awarded to the candidate unconditionally;
        (b)   The degree be awarded subject to typographical corrections/minor revisions;
        (c)   The degree be awarded subject to substantial corrections and revisions as indicated in the examination report;
        (d)   The degree not be awarded, but the candidate may be allowed to revise and re-submit the thesis/dissertation for re-examination within maximum period of registration.
        (e)   The degree should not be awarded, but may be resubmitted for a lower award; and
        (f)   The thesis/dissertation be rejected outright.

4.1.8   The degree be awarded to the candidate unconditionally;

4.1.9   The degree be awarded subject to typographical corrections/minor revisions;

4.1.10   The degree be awarded subject to substantial corrections and revisions as indicated in the examination report.

4.1.11   The degree not be awarded, but the candidate may be allowed to revise and re-submit the thesis/dissertation for re-examination.

4.1.12   The degree not be awarded, but may be resubmitted for a lower award; and

4.1.13   The thesis/dissertation be rejected outright.

4.1.14   The College School and Institute Postgraduate Studies Committee shall determine the candidate's dissertation/thesis final grade from recommendations of the department in form UDSM/PG. F7 as extracted from form UDSM/PG. F6.

4.1.15   Where the examiners differ significantly (one passes and one fails the candidate or a difference of two grades) in their overall recommendation, the College, School, or Institute Postgraduate Studies Committee shall examine the case and recommend one of the following actions.

4.1.16 a) The recommendation of the External Examiner be adopted; and
        b) An additional independent examiner (without knowledge of the previous examiners' assessments) be appointed.

4.1.17 The University shall pay honoraria to the External and Internal Examiners at the rate prescribed by the Council and upon receiving detailed and summary reports of the thesis/dissertation under examination. The claims shall be made through filling in forms UDSM/PG. F11 (for Internal Examiner) and UDSM/PG. F12 (for External Examiner).

4.1.18 A dissertation or thesis passed subject to typographical corrections/minor revisions must be submitted for degree award within one month from the date of the Senate's approval of the examination results.

4.1.19 A dissertation or thesis passed subject to substantial corrections and revisions must be submitted for degree award within three months from the date of the Senate's approval of examination results. The Internal Examiner shall verify the corrections.

4.1.20 Only candidates whose theses have been passed in accordance with UDSM Postgraduate regulations 2018, Section 4.1.7 (a) through (c) shall be allowed to sit for viva voce examination.

4.1.21 A thesis/dissertation not accepted in accordance with regulation 4.1.7 above must be re-submitted for examination within nine months from the date of the Senate's approval of examination results.

4.1.22 A candidate whose thesis/dissertation is rejected in accordance with regulation 4.1.7(f) shall be discontinued from studies.

4.1.23 A candidate who fails, without reasonable cause, to submit a postgraduate degree dissertation/thesis within the period stated in 4.1.11, 4.1.12 and 4.1.14 and above shall be discontinued from studies.

4.1.24 Where the examiners are not in agreement in their overall recommendation after resubmission, regulation 4.1.9 shall apply.

4.1.25 Subsequent publications from a thesis/dissertation submitted for a Masters degree of the University of Dar es Salaam must contain a statement that the work is based on a thesis/dissertation submitted to the University.

4.2 Viva Voce Examinations for Masters Degree by Thesis Programmes

4.2.1 In Masters' Degree programmes involving examinations of thesis alone without any prescribed coursework component, the candidate shall, in addition to writing a thesis, appear for a *viva voce* examination.

4.2.2 The *viva voce* examination shall take place only after the SPSC and Senate have been satisfied that the thesis submitted by the candidate is considered by the examiners to be satisfactory and shall follow the guidelines as stipulated in ***UDSM Regulation and Guidelines 2018 Section 4.2***

5.0 DOCTOR OF PHILOSOPHY DEGREE (PhD)
5.1 General Regulations for PhD by Coursework and Dissertation Programmes

i. Candidates must take a minimum of 30 and a maximum of 36 course units per year (minimum of 15 and maximum of 18 units per semester). The minimum number of core course units shall be 9 per semester and 18 per year.

ii. The additional audited courses taken by students shall not count towards the final number of units that is required.

iii. All examinations and the students' progress from year to year shall be guided by the regulations in chapter 2.

iv. Courses shall have a minimum of three units and maximum of six units.

v. At the end of the coursework part, candidates shall be required to do a comprehensive examination as prescribed by the college, school or institute before they can be allowed to proceed to the dissertation phase.

     a) A comprehensive examination is a specific type of examination that must be completed by graduate students after completing the coursework part but before embarking on the dissertation part.

     b) The examination may vary from one academic unit to another, but it must examine the candidate's broad philosophical and conceptual understanding of the subject area, as well as the capacity to develop and communicate logical arguments.

     c) Comprehensive examinations shall be both oral and written and shall be assessed on a pass or fail basis.

d)	Oral comprehensive examinations shall not take more than three hours.
e)	A candidate who fails a comprehensive examination shall be required to take another comprehensive examination as recommended by the examination panel.
f)	A candidate should be given a minimum of three months to prepare for the comprehensive examination and must pass the examination within a year after completing the coursework.
g)	A comprehensive examination shall be judged by a panel of experts in the relevant field who possess a PhD. The panel should be constituted by the Principal, Dean, or Director in consultation wih Heads of Departments and shall have an odd number of members i.e. 3 or 5. The most senior member shall chair the panel.
h)	Members shall be given the candidate's written report at least two weeks before the oral examination to allow them to thoroughly read it and prepare for the oral examination.

5.2 Submission of a PhD Thesis/Dissertation

5.2.1 The PhD degree examination requires the submission of a thesis/dissertation by the candidate, embodying the results of the research.

5.2.2 PhD thesis/dissertation cannot be submitted without publishing at least one journal paper from the work in a journal that is recognised by UDSM Senate. The paper must be attached as an appendix on the submitted thesis/dissertation.

5.2.3 The PhD thesis/dissertation maybe submitted either as a single monograph or journal papers in which case:
  i. the candidate shall submit at least 5 journal papers with introduction and conclusion chapters;
  ii. two of the journal papers must be published in an international journal recognised by UDSM; and
  iii. the candidate must be the principal author in all journal papers submitted for the award of a PhD degree.

5.2.4 Regardless the form of submission (thesis), the thesis shall be an original contribution to the field of research by the student.

5.2.5 For thesis by papers, the student should use the introductory section of their thesis to explain and justify in full the nature and extent of the candidate's own contribution and the contribution of co-authors and other collaborators to the publications presented.
  i. A significant proportion of the researched materials should be derived from original research undertaken after the date the student initially registered with this University.
  ii. The papers shall be inserted and that the pagination sequence should flow throughout the thesis.

5.2.6 i. No candidate may be permitted to submit a thesis/dissertation for the PhD degree in less than 24 months from the date of registration.
  ii. A PhD candidate may, however, be allowed to submit their thesis/dissertation earlier than this if the supervisor and the relevant College/School/Institute Postgraduate Studies Committee is satisfied with the candidate's research contribution of new knowledge.

  At least three months before the thesis/dissertation is submitted, the candidate shall, through the supervisor, give notice of intention to submit the thesis/dissertation. They should do this in writing to the Chairperson, SPSC using form UDSM PG. F5 and submitting at the same time the proposed title and an outline of the plan and general scope of the thesis/dissertation.

5.2.7 Every thesis/dissertation submitted for the degree of Doctor of Philosophy must be satisfactory with respect to its format and text presentation. The thesis/dissertation must contain a one-page abstract, which shall concisely indicate the problem investigated, procedures, research methods employed, general results, new contributions made, and the major conclusion reached.

5.2.8 All PhD candidates must present their dissertation/thesis to the departmental postgraduate studies committee for it to approve that the dissertation/thesis is ready for examination.

5.3 Examination of Theses/Dissertations and Award of a PhD Degree

5.3.1 i. For every PhD candidate approaching submission the Senate shall appoint, on the recommendation of the relevant College, School, or Institute and the SPSC, at least two qualified examiners, one of whom shall be external to the University of Dar es Salaam.

The Examiners shall be required to assess the thesis/dissertation following standards prescribed by the University of Dar es Salaam.

ii. The internal examiner shall be an expert not involved in the candidate's supervision.

5.3.2 Transmission of theses/dissertations is the responsibility of Colleges Schools and Institutes, using their share of examination fees. The Examiners shall be required to submit independent reports on the PhD thesis/dissertation as prescribed under the Masters programme:

i. The examiners shall be required to submit their detailed reports on the thesis/dissertation within a period of two months from the date of receipt of the thesis/ dissertation.

ii. If the reports are not received within three months, new examiners shall be appointed.

iii. An internal examiner who fails to submit the report within two months shall be required to show cause for delay. The explanation shall be in writing and be addressed to the DVC-Academic through the respective academic units.

iv. The PhD degree be awarded to the candidate unconditionally.

v. The degree be awarded subject to typographical corrections and/or minor revisions.

vi. The degree be awarded subject to making substantial revisions and corrections as recommended.

vii. The degree should not be awarded, but the candidate be allowed to revise and resubmit the PhD thesis for re-examination after a further period of study and/or research.

viii. The degree should not be awarded, but the candidate be permitted to re-submit the work in a revised form for a Masters' Degree award.

ix. The thesis/dissertation be rejected outright.

5.3.3 Where the examiners are not in agreement in their overall recommendation, SPSC shall consider the case and recommend one of the following actions:

i. The recommendation of the External Examiner be taken

ii. An additional independent examiner be appointed

5.3.4 An Assessment by an additional independent examiner shall form a basis of determining whether the candidate passes or fails the thesis/dissertation.

5.3.5 A PhD candidate whose thesis examiners are either in disagreement or have recommended thesis revision and resubmission may on the recommendation of the College/School/Institute Board, transfer registration to a relevant existing Masters programme.

5.3.6 The University shall pay honoraria to the External and Internal Examiners at rates prescribed by the Council and upon receiving detailed and summary reports of the thesis under examination.

5.3.7 A thesis/dissertation not accepted as per regulation 1.6.4(d) above must be re-written and re-submitted for re-examination within 18 months.

5.3.8 Candidates who fail to submit their thesis/dissertation within the period stated in regulation 1.6.9 above shall be discontinued from studies.

5.4 Viva Voce Examination for PhD Candidates

5.4.1 In addition to writing a thesis/dissertation, the PhD candidate shall appear for a viva voce examination.

5.4.2 The viva voce examination shall take place only after the Senate has been satisfied that the thesis/dissertation submitted by the candidate is considered by the examiners to be of acceptable standard as per *UDSM Guidelines and Regulation 2018 Section 7.8.*

6.0 HIGHER DOCTORATE DEGREES

6.1. Definition

6.1.1 Higher Doctorate at the University of Dar es Salaam shall mean the degrees of:

i. Doctor of Literature in the College of Social Sciences (CoSS), College of Humanities (CoHU), School of Education (SoED), School of Journalism and Mass Communication (SJMC), University of Dar es Salaam Business School (UDBS), Institute of Kiswahili Studies (IKS) and Institute of Development Studies (IDS).

ii. Doctor of Laws in the University of Dar es Salaam School of Law (UDSoL).

iii. Doctor of Science in the College of Engineering and Technology (CoET), the College of

Natural and Applied Sciences (CoNAS) and College of Information and Communication Technologies (CoICT), Institute of Marine Sciences (IMS), College of Agriculture and Fisheries Technology (CoAF).

6.1.2 The Higher Doctorates are granted for original contribution of distinguished merit to some branch of science or the humanities.

6.2. Eligibility for Candidacy

The following category of members of staff of the University of Dar es Salaam shall be eligible for candidacy for the award of a Higher Doctorate of the University of Dar es Salaam:

    i.   Holders of a PhD from the University of Dar es Salaam of at least five years standing;

    ii.   Holders of a PhD degree of the former University of East Africa; or

    iii.   Holders of a PhD degree or an equivalent from any other recognised university provided that at the time of applying for candidacy, they will have served the University of Dar es Salaam in teaching, research or other approved role for a minimum period of five years.

6.3. Application for Candidacy

6.3.1 A candidate for this award shall normally apply for a Higher Doctorate of the College, School, or Institute in which the subject of their previous degree(s) was studied.

6.3.2. The intending candidate must supply to the relevant College, School, or Institute, through their complete Curriculum Vitae and any other documents, sufficient evidence of their qualifications for the Higher Doctorate candidacy.

6.3.3. The candidate's application must be accompanied by a unifying statement of not more than 5000 words, which concisely but comprehensively sums up their significant contribution(s) to knowledge in a chosen field.

6.3.4. Together with the unifying statement, the candidate must submit a compilation of their important and original published works (excluding works earlier submitted for Masters or PhD degrees). Published works shall mean what is printed as books or papers in reputed journals, or work already accepted for publication. (Serious emphasis is placed on published work to ensure that the work submitted for examination has been available for criticism).

6.3.5. The candidate's application for candidacy shall be scrutinised by the appropriate College, School and Institute, and their candidature shall be approved through the relevant College, School, and Institute Board, the SPSC and Senate.

6.4. Higher Doctorate Award

6.4.1 The examiners shall submit a report on the candidate's published work, recommending in definite terms whether or not the Higher Doctorate should be awarded to him/her.

6.4.2 In case of disagreement between the examiners, similar guidelines as those prescribed for Masters and PhD candidates shall be followed. The final approval on the degree award shall be granted by Senate, after it has been satisfied that the work presented makes a substantial and distinct contribution to knowledge.

6.4.3 A candidate who fails to qualify for the Higher Doctorate award shall not be allowed to re-apply for the same degree for at least three years.

6.4.4 The successful Higher Doctorate candidate shall be required to give a public lecture on their contribution before the degree is awarded.

7.0 OCCASIONAL STUDENTS

7.1 Definition

The term "Occasional Student", as applied at the University of Dar es Salaam, shall be taken to mean any student whose study programme lasts for only one semester, or part of a semester.

7.2 Entry Requirements

7.2.1 The entry requirements shall be as those prescribed for regular students.

7.2.2 The application for occasional studentship must be supported by at least two referees. At least one of these must be an academic member of staff, who is well acquainted with University teaching and research.

7.2.3   The admission of an occasional student will take into consideration not only the academic qualifications of the applicant, but also the availability of a local supervisor in the relevant department where the applicant intends to undertake studies.

7.2.4   While occasional students are not obliged to sit for the end of semester examinations, they are encouraged to do so. They may be allowed to audit various courses.

7.2.5   Occasional students shall pay their fees *pro rata* i.e. in accordance with what is prescribed for regular postgraduate students.

7.2.6   Occasional students may register for some undergraduate courses.

8.0 SHORT-TERM STUDENTS

8.1 Definition

The term "Short-term Student" as applied at the University of Dar es Salaam shall be taken to mean any student whose study programme lasts for more than one semester and extends up to one full academic year.

8.2 Entry Requirements

8.2.1   The admission qualifications shall be as those prescribed for regular postgraduate students.

8.2.2   Short-term students are expected to enroll in their courses for credit. Hence, they shall be required to appear for end-of-semester examinations which are governed by the general university regulations applicable to other relevant postgraduate courses.

8.2.3   Short-term students may register for undergraduate courses, in which case relevant undergraduate regulations shall apply.

8.2.4   Short-term students may enrol for training by research alone, in which case they will be assigned supervisors to guide them.

8.2.5   Short-term students who attain a grade of B or higher in their prescribed postgraduate courses may be allowed to change their status to a Masters degree (and, in exceptional circumstances, to a PhD degree) course.

8.2.6   Short-term students shall pay their fees in accordance with what is prescribed for the regular postgraduate students.

9.0 OCCASIONAL, SHORT TERM AND SANDWICH PROGRAMMES

9.1   The University of Dar es Salaam has developed links with other academic institutions for collaboration in postgraduate training. Under these arrangements, postgraduate students registered in other universities can have opportunities to conduct part of their studies at the University of Dar es Salaam as occasional or short-term, or students under sandwich programmes as per UDSM postgraduate regulation 2018, Section 8-10.

9.2   Postgraduate students registered in other institutions may have the opportunity to conduct part of their studies during the dissertation or thesis phase at the University of Dar es Salaam. Such candidates must send applications to the Senate through the SPSC Board and the respective teaching units at least six months in advance, stating the duration they would like to spend at the University of Dar es Salaam. The application letter must be attached with the following documents:
   i.   Applicant's full curriculum vitae
   ii.   A concise statement of the proposed project, including objectives, description of problem area, methodology, expected outputs, the period of research and places in Tanzania where the work will be carried out
   iii. Confirmation of availability of financial support to cover travel, fees, research funds and upkeep allowances, and/or any other material support for the intended research
   iv.   Names of two referees who are qualified in the field of research which the applicant wishes to undertake
   v.   Name of contact person in the department of intended study at the University of Dar es Salaam

9.3   Upon reporting at the University, postgraduate research students will be required to obtain the following before they can be allowed to conduct research:
  i.   Ethical Clearance, if necessary, from their countries and from the relevant authority in Tanzania; and
  ii.   Research Clearance.

9.4   Students who wish to extend their work at the University may apply for renewal at least two months before the expiry of their registration. The renewal letter stating justification for continuation of the registration must be sent to the Senate through the Senate Postgraduate Studies Committee.

9.5   The University will pay the staff members supervising the candidates at an approved rate.

10. ENQUIRIES ABOUT POSTGRADUATE STUDIES

10.1   All enquiries about postgraduate studies should be addressed to:
  The Director of Postgraduate Studies
  University of Dar es Salaam
  P.O. Box 35091
  DAR ES SALAAM, TANZANIA
  E-MAIL: dpgs@udsm.ac.tz
  Tel. General: +255-22-2410500-9, Ext: 2010
  Tel. Direct: +255-22-2410069; +255-22-2410016

UNIVERSITY OF DAR ES SALAAM FEE STRUCTURE

1.1 Direct University Costs

Cost Item	Tanzanian Students (TZS)	Non-Tanzanian Students (USD)
Application fee (paid once during application)	50,000	50
Student Union	20,000	15
Registration	20,000	15
Caution Money	50,000	50
Student ID	5,000	5
TCU fee	20,000	20

1.2 Direct Student Costs (Payable direct to the student per year)

Cost Item	Tanzanian Students (TZS)			Non-Tanzanian Students (USD)		
	PGD	Masters	PhD	PGD	Masters	PhD
Stationery	100,000	200,000	200,000	65	125	125
Books	350,000	500,000	500,000	220	315	315
Stipend	6,000,000	6,000,000	7,200,000	3,780	3,780	4,560
Thesis Production*	0	350,000	500,000	0	220	315
Independent Study/ Practical Training/ Research Paper/ Teaching Practice for PGDE	500,000	0	0	500	0	0
Total	**6,950,000**	**7,050,000**	**8,400,000**	**4,565**	**4,440**	**5,315**

Cost for thesis production shall be paid to students in the final year.

1.3 Research Funds

College/School/Institute	Tanzanian Students (TZS)		Non - Tanzanian Students (USD)	
	Masters	PhD	Masters	PhD
CoET, CoNAS, CoAF, SoAF, SoMG & IMS	10,000,000	20,000,000	6,310	12,615
CoICT	5,000,000	15,000,000	3,155	9,460
UDSE, IKS, SJMC, CoSS, CoHU, IDS, IRA, UDSoL, UDBS, MUCE, DUCE & MCHAS	4,000,000	12,000,000	2,525	7,570

1.4 Clarification on Research Funds

    i.   For master's programmes, the amount shown is paid once.

    ii. For PhD by Coursework and Dissertation, the amount shown is paid in the third or fourth year of study during the research phase.

    iii. For PhD by thesis, the amount shown covers three years of study.

NB: Tuition Fee for each programme has been indicated in respective academic unit offering that programme. It is also worth to note that Short-Term and Occasional Students shall pay their fees *prorata*, in accordance with what is prescribed for regular postgraduate students, while students on extension shall pay the same amount of fees for the semester as others who are in their normal period of study.

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College of Social Sciences (CoSS)
Prof. C. N. Pallangyo, BA, MA (Dar), PhD (CapeTown)

College of Natural and Applied Sciences (CoNAS)
Prof. F. J. Magige, BSc, MSc (Dar), PhD (Trondheim)

College of Information and Communication Technologies (CoICT)
Prof. B. J. Maiseli, BSc, MSc (Dar), PhD (Harbin)

DEANS OF SCHOOLS
University of Dar es Salaam School of Economics (UDSE)
Prof. B. K. Mkenda, BA (Lusaka), MA & MPhil (Sussex), PhD (Gothenburg)

University of Dar es Salaam Business School (UDBS)
Prof. O. K. Mbura, BCom, MBA (Dar), MA (The Hague), Licentiate of Philosophy (Umea), PhD (Dar)

School of Education (SoED)
Dr. N. L. Mgonda, Dip (Korogwe), BEd, MA (Dar), PhD (Leipzig)

University of Dar es Salaam School of Law (UDSoL)
Dr. L. L. Mussa, LLB, LLM, PhD (Dar)

School of Journalism and Mass Communication (SJMC)
Dr. M. N. Mwakalinga, BA, MA (Dar), PhD (Kansas)

School of Acquatic Sciences and Fisheries Technology (SoAF)
Dr. B. R. Lugendo, BSc, MSc (Dar), PhD (Radboud)

School of Mines and Geosciences (SoMG)
Prof. E. E. Mshiu, BSc, MSc (Dar), PhD (Halle)

DIRECTORS OF INSTITUTES AND LIBRARY
Institute of Gender Studies (IGS)
Dr. S. E. Kisanga, Dip (Korogwe), BEd, MA (Dar), PhD (Nottingham Trent)

Institute of Development Studies (IDS)
Dr. C. Msoka, BA, MA (Dar), PhD (Minnesota)

Institute of Kiswahili Studies (IKS)
Prof. A. K. Mutembei, BAEd, MA (Dar), MA, PhD (Leiden)

Institute of Marine Sciences (IMS)
Dr. M. M. Mangora, BSc, MSc (Morogoro), PhD (Dar)

Institute of Resource Assessment (IRA)
Prof. J. N. Kirway, BSc (Dar), MSc (Dar), PhD (Yokohama)

Confucius Institute (CI) at UDSM
Dr. M. M. Hans, BEd Arts, MA, PhD (Dar)
Prof. Z. Yanjun, BA (Liaoning), MA (Sichuang), PhD (Zhejiang)

Directorate of Library Services
Prof. K. Mwantimwa, BAEd, MA (Dar), PhD (Antwerp)

University of Dar es Salaam Mineral Resources Institute (UDSM-MRI)
Eng. E. M. Kapira, BSc (ARU), MSc (Halstad)

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Centre for Communication Studies (CCS)
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Centre for Educational Research and Professional Development (CERPD)
Dr. R. M. Boniface, BEd, MEMA (Dar), PhD (Linnaeus)

Centre for Forced Migration Studies (CFMS)
(Vacant)

Centre for Climate Change Studies (CCCS)
Dr. E. B. Mabhuye, BA, MSc, PhD (Dar)

Centre for Population Studies and Research (CPSR)
Prof. H. Hambati, BA, MA, PhD (Dar)

MANAGERS AND COORDINATORS OF CENTRES AND BUREAUS
University Consultancy Bureau (UCB)
Dr. H. Makundi, BSc, PGD (Dar), MSc (Sussex), PhD (Ku-Leuven)

Technology Development and Transfer Centre (TDTC)
Dr. E. E. Mbise, BScEng (Dar), MScTXT (Manchester) PhD (NTU)

Bureau for Industrial Co-operation (BICO)
Dr. A. Mwasilu, BScEng (Dar), PhD (Dongguk)

Centre for Disability Services
Dr. J. Mkongo, BEd, MAASP (Dar), PhD (Munich)

OFFICE OF THE VICE CHANCELLOR
Internal Audit Office
Chief Internal Auditor
S. B. Kayanda, BCom, MBA (Dar), CPA (T)

Procurement Management Unit
Manager
J. K. Mwamwenda, ADPSM, CPSP (T)

Communication and Marketing Unit
Head and Senior Lecturer
Dr. D. P. Kuhenga, BA (Dar), MA (Rhodes), MA, PhD (Dar)

Public Relations Officer
J. I. Isdory, BA (Dar), MA (Kuala Lumpur)

OFFICE OF THE DEPUTY VICE CHANCELLOR (ACADEMIC)
Directorate of Postgraduate Studies
Coordinator and Senior Lecturer
Dr. D. Koloseni, BSc, MSc (Dar), PhD (LUT, Finland)

Directorate of Undergraduate Studies
Coordinator and Senior Lecturer
Dr. G. D. Kikumi, BScEd, MSc (Dar), PhD (Arusha)

OFFICE OF THE DEPUTY VICE CHANCELLOR (PFA)
Senior Administrative Officer
C. C. Nyoni, BA (Dar), MPA (Morogoro)

Manager, Information Management Unit (IMU)
Dr. C. Tarimo, BSc (Dar), PhD, MPhilCS (Stockholm)

Directorate of Social Services
Counseling Unit
Head and Senior Lecturer
Dr. B. G. Rushahu, BEd, MAEd (Dar), PhD (Oldenburg)

UDSM Hospital
Medical Officer-In-Charge and Principal Medical Officer I
A. J. Msasu, Dip. Health Systems Management (Galilee Institute), BMed, MSc (Dar)

Auxiliary Police Unit
Acting Auxiliary Police Commander
AP. SSP A. S. Msaghaa, Cert. Law, Dip. Law, LLB (Dar)

Direcorate of Students Services
University Students Accommodation Bureau (USAB)
Manager
Z. A. Swima, LLB, MBA (Dar)

OFFICE OF THE DEPUTY VICE CHANCELLOR (RESEARCH)
Senior Administrative Officer I
B. F. Lugwisha, BA (Dar), MA (Mysore)

Intellectual Property Management Office (IPMO)
Manager and Lecturer
Dr. J. J. Iddy, Bcom (Dar), Msc Logistics (Molde), PhD (Agder)

Directorate of Research and Publication (DRP)
Research Grants Coordinator and Senior Lecturer
Dr. L. P. Binamungu, BSc (Dar), MSc (Hyderabad), PhD (Manchester)

Coordinator UDSM – Sida Programme
Dr. M. Wilson, BCom, MBA, PhD (Dar), CPA (T)

Dar es Salaam University Press (DUP)
Acting Manager and Senior Lecturer
Dr. C. Masanja, BCom, MIT, PhD (Dar), (CPA) (T)

Directorate of Public Services (DPS)
Continuing Education Centre
Head and Principal Administrative Officer II
L. B. Kisaka, BCom (Nairobi), PGD (Dar), IHRM (Cambridge), MBA (Dar)

University Consultancy Bureau
Manager and Senior Lecturer
Dr. H. R. Makundi, BSc, PGD (Dar), MSc (Sussex), PhD (Ku-Leuven)

Directorate of Innovation and Entrepreneurship (DIEN)
Principal Administrative Officer
K. S. Mloba, BA (Dar), PGD (CFR), MSHR (Morogoro)

Entrepreneurship Coordinator and Senior Lecturer
Dr. W. Nguni, BCom (Dar), MITL (Molde), PhD (Dar)

Innovation Coordinator and Senior Lecturer
Dr. M. I. Mchome, BSc, MSc, PhD (Dar)

OFFICE OF THE VICE CHANCELLOR
Council Secretariat
Principal Administrative Officer
G. E. Marandu, BA, MBA (Dar), PEHRO (TPSC)

Principal Legal Officer
Adv. P. E. Mselewa, LLB, LLM (Dar), PGDL (LST)

Senior Legal Officer
Adv. O. N. Rutashobya, LLB (Tumaini), LLM (Dar), PGDL (LST)

Legal Officer
Adv. M. A. Kamugisha, LLB (Dar), PGDL (LST)

Assistant Accountant
E. Nkwabi, BA (Dar)

Principal Office Management Secretary
J. M. Mgaya, Dip. Secretarial Studies (Dar)

Senior Office Assistant
J. W. Lukuwi, Cert. Records Management (Dar)

Driver I
W. J. Kafipa, Cert. Basic Driving of Motor Vehicle, Cert. Advance Drivers Grade II (VIP), Cert. Forklift Operator, Cert. Motor Driver Mechanics Level II (Dar)

Audit Section
Internal Auditors
Y. Tumaini MBA-ITM, CPA(T)
B. Kaijage, ADA(IFM), MBA (Dar), CPA (T)
R. Tanganyika, ADA (CBE), CPA (T)
R. Nchenga, ADA (DIA), CPA(T)
S. Mwenda, BAF (Mzumbe), MBA PRM, CPA(T)
H. M. Likunama, ADA, PGD (Arusha), CPA (T) (MAF)
J. Kisani, ADA (Arusha), MSc (Mzumbe), CPA (T)
A. Munishi, BAF (Mzumbe), CPA (T) MBA (Finance)
S. E.S. Maingu, ADA(IFM), MBA (South Korea)
J. S. Farijala, BAAF (Moshi), CPA (T)
M. Katura, BA-IFM, CPA(T)
F. Azizi BA (Arusha)

Principal Office Management Secretary
S. Sindato, Dip. Secretarial Studies II (TPSC) (Dar)

Office Assistant
D. Luambano, (OS)Library Assistant II) Bagamoyo

Driver II
R. Salumu, (PSV) (Mtwara)

Directorate of Internationalisation, Convocation and Advancement
Principal Administrative Officer / Convocation Liaison Officer
D. M. Stephen, BA, MBA, SPGDL (Dar)

Senior Administrative Officer / Internationalisation Officer
D. S. Muya, LLB (Dom)

Human Resource Officer
M. S. Mwaita, BA (Inst. Social Work)

Marketing Officer
Y. I. Massawe, BBA (Dar)

Marketing Officer
S. L. Kuzwa, BBA (MUST)

ICT Officer
C. A. Mwanyombole, Bsc, (RUCU)

PR Officer
E. J. Manyanga, BA, (TUDACO)

Office Management Secretary
A. Y. Sarumbo, Dip, MDEA I (Dar)

Quality Assurance Unit
Principal Planning Officer
Vacant

Administrative Officer
B. I. Shao, BA, MA (Mzumbe)

Senior Office Attendant
E. L. Kazoya, Certificate of Records Management (TPSC) (Dar)

Office Management Secretary
N. C. Mchome, Dipl (TPSC) (Dar)

Driver II
A. K. Joseph, Magu Driving School (Tabora), NIT Grade II (Dar)

Procurement Management Unit
Procurement/Supplies Officers
E. Kibua, ADPS (Dar), CPSP (T)
F. Makala, BBA, NBMM (Dar)
A. Kasambala, PSPTB – FT, DSA (Dar)
E. Edward, (NMMD), NBMM (Dar)
M. Nchimbi, CPSP, Atec II, NSC (Dar)
V. Makero, ADPS, NSKC (Dar)
J. Mwiguta, ADMM (Dar), CPSP
S. Hamidu, DPLM, BPLM, (Dar) CPSP (T)
P. E. Riziki, CPSP (T) , BSCP (Mwanza)
Y. I. Masoli, DPPSM, BPSM (Dar)
A. W. Missango, BPLM, MSc-PSCM (Dar), CPSP
E. J. Kashimba, MSc PSCM BPLM (Dar), CPSP (T)
M. K. Bwire, BBAPLM (Morogoro), MSc-PSCM (Dar)
G. N. Kaaya, MBA-CM) – MU, PSPTB, ADipl (IAA)
J. H. Killo, (CPSP) – PSPTB, BA (SAUT)
S. Rugina, (CPSP) – PSPTB, MA (MPM) BAPSM (Morogoro), CPSA (T)
D. S. Maganiko, BPSM – CBE (Dodoma), CPSP (T)

R. C. Olomi, BPSM (Dar)
S. G. Mwasanguti, DPLM, BPLM, CPSP (T)
L. M. Khamis, CPSA (T), (CPSP) – PSPTB, BPLM (IAA) (Arusha)
S. M. Wemmao, BPS, DPS (Dar), BCPS (Dodoma)
Z. A. Mzee, DPLM, CPLM (Mbeya)
E. A. Urassa, (CPSP-T), PSPTB, BPSM (Moshi)
I. J. Mtanga, CPSP Professional III, FCPSM, PSPTB (Dar)
Y. A. Kingalu, PSPTB, FCPSM
Z. A. Yassin, BPLM, (CPSP) - PSPTB
L. S. Nimrod, BPSCM (Mwanza)
R. H. Chubwa, CPSP (PSPTB), BBAPLM (Morogoro)
F. N. Malekano, NSC, NMMD (Dar), NPSM (PSPTB)
C. S. Mpumpah, (CPSP) – PSPTB, BPSM, CLSCM (Mwanza)
D. A. Mkama, BPS, DRMA (TPSC) (Dar)
O. Q. Ndunguru, BPSM (Mocu), PSPTB, DPLM, CPLM (IAA)
A. C. Nzumi, CPSP, BPLM, DPLM (Mbeya)
A. C. Rashidi, PSPTB, BSCP (Mwanza)
A. C. Kilima, DPLM, BPLM, PSPTB (Dar)
K. J. Mhozya, BPLM – IAA (Arusha)
N. U. Maliwa, BPLM-TIA (Dar), PSPTB

Principal Office Managemnt Secretary II
E. I. Mpakama, Dip. Secretarial Services, MDEA I & II (TPSC) (Dar)

Senior Office Attendant II
F. J. Pondelo, 'O' Level Secondary Certificate (Tanga)

Records Management Assistant I
B. S. Ngonyani, DRMA (TPSC) (Dar)

Driver II
D. N. Ngwakule, ADV, VIP II (Mwanza)

Communication and Marketing Unit
Office/Management Secretary I
J. E. Mgimbe, TPSC (Dar)

Senior Office Attendant II
E. Y. Jerome, CSEE

Public Relations Officers
J. Isdory, BA (Dar), MA (Kuala Lumpur)

Outreach and Marketing Section
Z. George, BA, MA (Dar)

Marketing Officer
A. M. Mambele, BA (Dar)

ICT Officer – Web Master
W. J. Remmy, BSc (Ruaha)

Artisan II Photography
T. J. Kibangala, Dip (Dar)

OFFICE OF THE DEPUTY VICE CHANCELLOR (ACADEMIC)
Directorate of Postgraduate Studies
Senior Administrative Officer I & Ag. Head - General Administration
J. M. Besha, BA (Dar)

Examination Office
Senior Administrative Officer II
G. C. Mgonda, BHRM (Mwanza)

Human Resource Officer I
W. W. Matoke, BASO (Dodoma)

Admission Office
Human Resource Officer I
D. D. Mtesigwa, BHRM (Kilimanjaro)

Human Resource Officer II
Q. I. Mwalukunga, BA (Dar)

Accounts Officer II
K. M. Laurent, B. Accountancy (Dar)

Office Management Secretary
H. T. Mbululo, BSSA (Dar)

Senior Office Management Secretary
J. O. Salakana, Dip (Dar)

Supplies Officer II
S. M. Wemmao, Cert (Dodoma), Dipl, BPS (Dar)

Records Management Assistant I
D. S. Shalali, Dip (Tabora)

Records Management Assistant II
M. M. Mosi, Dip (Dar)
E. B. Elias, Dip (Dar)

Driver
J. C. Daniel, Cert (Mwanza)

Directorate of Undergraduate Studies
Office of the Director
Office Management Secretary II
J. S. Kidyalla, Secretarial Upgrading Course (TPSC) (Dar)

Accountant
O. M. Sadiki, BA (Arusha), CPA (T) (Dar)

Senior Driver
W. Mhando, Cert. (Dar)

Driver II
O. A. Kiteve, Cert (Arusha)

Senior Office Assistant I
S. C. Ayo, CSEE

Admissions Section
Senior Administrative Officer I and Ag. Head
E. D. Chuwa, BA (Dar)

Senior Administrative Officer I
L. A. Mavika, BA, MA (Dar)

Human Resources Officers II
S. A. Sudi, BA, MA (Dar)
G. D. Emmu, Diploma (TPSC), BHRM (Dar)
B. H. Malenda, Diploma (TPSC), BHRM (Dar)

Records Management Assistant I
S. M. Mohamedi, Diploma (TPSC) (Mtwara)

Records Management Assistant II
S. S. Gora, Diploma (TPSC) (Singida)
N. F. Mwinuka, Diploma (Morogoro)

Principal Office Management Secretary II
S. Maganga, Diploma (TPSC) (Dar)

Senate, Examinations and Undergraduate Programmes Section
Principal Administrative Officer II and Head
M. Magezi, BA, MBA (Dar)

Principal Human Resources Officer II
M. U. Omary, BA (Dar)

Human Resources Officer I
E. B. Kyebyala, BA, MA (Dar)

Human Resources Officer II
M. D. Maringo, Diploma (TPSC) (Dar)

Administrative Officer I
O. P. Komeka, BA (Kilimanjaro)

Administrative Officer II
A. E. Kasoba, BA (Dar)

Principal Records Management Assistant II
B. I. Maduhu, Diploma (TPSC) (Dar)

Records Officer II
S. N. Remmy, Diploma, Bachelor (TPSC) (Dar)

Office Management Secretary I
S. M. Hassan, Diploma (TPSC) (Dar)

Records Management Assistant II
A. R. Shomary, Diploma (TPSC) (Tanga)

Senior Office Assistant Attendants
R. L. Rupho, CSEE
E. W. Mwasyika, CSEE
P. T. Ngusa, CSEE
N. M. Chilongani, CSEE

Master Timetable Coordinator
M. Mkandawile, BSc (Kampala), MSc, PhD (Dar)

Assistant Master Timetable Officer
M. E. Mwakatobe, BSc (Dar)
S. M. Pastory, BSc (Dar)

Student Financing Unit
Principal Human Resources Officer and Loan Officer
L. L. Mwakyusa, BA (Dar), MSc (Morogoro)

Assistant Accountant
M. Y. Musa, BA (Dar)

Administrative Officer II
A. Kapinga, BA (Dar)

Smart Card Unit
Information and Communication Technology Officer II and Head
J. Mwengele, BSc (Dar)

Assistant Information and Communication Technology Officer
S. Y. Chang'a, Diploma (Dar)

Student Databases
Information and Communication Technology Officer II and Head
H. S. Mohamed, BSc (Dar), MSc (Skovde)

Senior Information and Communication Technology Officer I
K. L. Samizi, BSc (Dar)

Information and Communication Technology Officer II
A. Solomon, BSc (Dar)

OFFICE OF THE DEPUTY VICE CHANCELLOR (PFA)
Directorate of Planning, Development and Investment
Administrative Officer
D. A. Mpaka, BA (Dar), MA (Oslo)

Investment Section
Resource Mobilisation Manager
T. E. Busagar, Bcom, MA, PhD (Dar)

Ag. Head of Investment Section
G. N. Rugazia, BSc (Morogoro), MA (Alabama)

Planning and Development Section
Head of Section
A. S. Dachi, BA (Dodoma)

Accountant
M. B. Ramadhani, BCOM (Dodoma), CPA (Dar)

Transport Unit
Transport Officer and Head of Unit
S. M. Lwiza, BSc, MA (Dar)

Insurance Section
Manager
N. R. Towo, Bcom, MA (Dar), PhD (Stellenbosch)

Insurance Officers
H. C. Abdul, BSc (Dar)
K. G. Mang'enya, BSc (Dar)

Directorate of Information and Communication Technology
Principal System Administrator
D. L. Kawa, BSc, MSc (Dar)

Senior System Administrator
B. Rashid, BSc (Dar)

Dirctorate of Human Resources Management and Administration
Planning, Policy and Operations
Principal Administrative Officer and Head of Section
N. J. Mziray, BSc (Sokoine), MBA (Dar)

Senior Human Resource Officer
N. G. Mwangota, BA (Dar)

Human Capital Management Information Systems (HCMIS) Section
Human Resource Officer and Head of Section
R. S. Wilson, BCom (Dar), MPA (Mzumbe)

Recruitment and Appraisal Section
Senior Human Resource Officer and Head of Section - Administrative
F. F. Justinian, BA (Dar)

Human Resource Officer
M. S. Mbise, BA PA (Dodoma)

Administrative Officer
B. M. Godfrey, BA, PA (Mzumbe)

Senior Human Resource Officer and Head of Section - Academic
A. P. Chilemba, BA (Dar)

Administrative Officer
W. E. Ngonja, BA (Dodoma)

Administrative Officer
Y. M. Ngulo, BA HRPM (IRDP)

Administrative Officer
F. E. Laizer, MA, BA (Dar)

Finance Office, Compensation and Benefits Section
Head of Section
U. B. Payovela, ADA, (IAA), (CPA)(T)

Insurance Officer (Pensions Management)
M. O. Mwanyange, BSc, MSc, (IFM, Dar)

Staff Training and Development Section
Senior Human Resource Officer and Head of Section
J. M. Rwebangira, BA (Dar)

Human Resource Officer
R. M. Ndalifanye, BAHRM (ISW)

Labour Relations Section
Principal Administrative Officer and Head of Section
D. L. Njau, LLB, MBA, (Dar)

Human Resource Officer
J. G. Mongi, BAHRM (ISW)

Principal Information Communication Technology
A. M. Majaliwa, BSc (Kampala), MSc (Dar)

Office of the Director of Finance (Bursar)
Office Management Secretary I
P. I. Kaminambeo, Dip in Secretarial studies (TPSC) (Dar)

Records Management Assistant I
A. A. Kapungu, Dip in Records Management (TPSC) (Mbeya)

Records Management Assistant II
E. A. Mwaipopo, Dip in Records, Archives and Information Management (Dodoma)

Principal Office Assistant
R. M. Kigambo, O-Level (Dar)

Senior Office Assistants
P. F. Machaku, O-Level (Dar)
G. A. Mzenza, O-Level (Dar)

Salaries Section
Accountant and Head of Section
D. T. Kabulika, BCom, MBA (Dar), CPA (T)

Accounts Officers
G. B. Mchau, BA (Dar)
S. R. Makeha, BCom (Dodoma)
M. H. Paul, BCom (Dodoma)

Accounts Assistants
G. J. Moshi, Dip (TIA)
E. A. Mushi, Dip (TIA)

Revenue Section
Accountant and Head of Section
CPA. H. R. Mishoni, BAF (Morogoro), CPA (T)

Accountants
CPA. C. R. Nkwera, ADA (Arusha), Msc A&F (Mzumbe), CPA (T)
CPA. I. A. Msomvu, BAF (Morogoro), CPA (T)

Accounts Officers
H. Y. Masisi, ADA, BACC, MBA
A. O. Nyaki, PGDA (IAA), ATEC
M. S. Mwapili, PGDA (TIA)

Accounts Assistant
D. S. Goima, DA (TIA)

Expenditure Section
Principal Accountant and Head of Section
M. R. Mwanga, ADA (IAA), MBA (Dar), CPA (T)

Accountant
F. Sekkaya, BA (CBE), CPA (T)

Accounts Officers
Z. Y. Igohe:BAC (TIA),CPA(T)
G. S. Shoo, BAF-IT(RUCU)
J. Kamwelal, BAC (IFM)
M. Mmari, ADA (IFM)
S. R. Mbio, ADA (TIA)

Inspection Section
Accountant and Head of Section
Y. A. Sihembe, CA, ADA

Account Officers
B. S. Kasitu, ATEC II, BA, MBA.
J. J. Kidayi, CA, DA, BA
G. J. Lihuluku, DA, ADA

Accounts Assistant
F. A. Lyimo, ATEC II

Fixed Assets Management Section
Head of Section
CPA. M. J. Kigwande, BCom, MBA (Dar), CPA (T)

Assitsant Accountants
D. N. Gatahya, DBA, BBA, MBA

General Ledger Section
Head of Section
CPA. E. J. Bundala, ADA (IAA) CPA (T)

Account Officers
E. Kalokola BBA A &F (Sauti), Msc A&F (Mzumbe)
B. Msuya, BA (IFM)
C. B. Shirima BAT (MoCu)
V. Moshi ADA (CBE)

Accounts Assistants
T. Malumba, DA (TIA)

Debtors Control Section
Head of Section
CPA. O. M. Sadiki, BA (IAA), CPA (T)

Tax Compliance Section
Head of Section
CPA. M. P. Shantoma, Bcom (Dar), CPA (T)

Directorate of Estates Services
Coordinator
   Z. Makanyinge, BSc (Dar)

Maintenance and Supervision Services
Unit Head
R. Madenge, BSc (Dar)

Housing Officer
S. M. Mgoha, BHRM (Dar)

Head, ElectroMechanical
Y. Kimila, FTC, Dip (DIT)

Head, Carpentry
     G. Wille, BSc (DIT)

Head, Plumbing
B. Chibali, Trade Test (Dar)

Head, Masonry
   W. Tungaraza, Trade Test (Dar)

Directorate of Social Services
Senior Administrative Officer
E. R. Mashayo, Sp. Cert. HRD (Delhi), Sp. Cert. Admin. Law, BA, MA (Dar), QLA (T)

Senior Accountant
S. M. Mwaliki, ATEC I & II, Dip. Accounting (CBE), BBA, PGDA (CBA), MBA (Dar)

Senior Office Management Secretary
N. E. Jambo, Dip. Secretarial Services, MDEA I, MDEA II (TPSC) (Dar)

Heads of Departments/Units
Counseling Unit
Head and Senior Lecturer
B. G. Rushahu, BEd, MAEd (Dar), PhD (Oldenburg)

Senior Counselors
E. M. Bunono, BAEd (Tumaini Makumira), MA (Dar)
C. M. Mlowola, BA, MA (Dar)

Principal Office Management Secretary II
F. R. Katanga**,** Dip. Secretarial Services, MDEA II (TPSC) (Dar)

Health Insurance (NHIF) Unit
Head and Principal Warden I
A. J. Mwambungu, Sp. Dip. Law, BAEd, MAEd (Dar), MSc (IAA), PhD (OUT)

UDSM Hospital
Medical Officer-In-Charge and Principal Medical Officer I
A. J. Msasu, Dip. Health Systems Management (Galilee Institute), BMed, MSc (Dar)

Senior Health Administrators
L. P. Sozigwa, Adv. Dip. Health Admin., BA, MPA (Morogoro)

Health Administrator
K. T. Omary, BA (Morogoro)

Office Management Secretary
E. L. Njaila, BA (Lindi)

Specialist Medical Officers
H. W. Mbulumi, MMed, MD (Ukraine)
M. M. Maboko, MMed (China), MD (Dar)
Z. M. Symphorianus, MMed, MD (Dar)
C. M. Kitemba, MMed, MD (Dar)
S. L. Sanga, MMed (China), MD (Dar)
G. S. Masuma, MMed, MSc (Dar)
S. G. Machui, MD (Mtwara)

Medical Officers
D. B. Kahangwa, MD (Dar)
A. G. Kingilo, MD (Dar)
C. M. Kamaghe, MD (Dar)
J. E. Lyimo, MD (Dar)
J. V. Mnyarungwe, MD (Moshi)
L. Kida, MD (Dodoma)

Sports and Game
Coordinator and Principal Games Coach
N. B. Kiunsi, Dip. International Coaching (TF-Hungary), Dip. Ed. (Monduli TTC), BEd, MAEd (Dar)

Senior Games Tutors
A. K. Kimaro, BEd, MEd (PESS) (Dar)
F. E. Sintau, BEd (PESS), MEd (PESS) (Dar)

Games Tutor,
F. E. Sintau, BEd (Dar)
A. Adam, Bed (Dar)

Swimming Life Guard
H. O. Gurumo, Life Guard (TSCA), Swimming Coaching (TSCA)

Auxiliary Police Unit
Acting Auxiliary Police Commander
AP. SSP A. S. Msaghaa, Cert. Law, Dip. Law, LLB (Dar)

Senior Auxiliary Police Officials
AP. ASP S. B. Munisy, CSEE, Cert. Law (Dar)
AP. INSP M. B. Matekele, CSEE (Mara), Cert. IT, Dip. IT, Cert. Law, BSc IT (Dar)
AP. INSP J. S. Lolila, CSEE, Cert. Law (Dar)
AP. INSP R. P. Kyeusi, CSEE, Cert. Law (Dar)
ACP A. B. Nsemwa, ACSEE, Cert.

Direcorate of Students Services
Coordinator, Students Development and Counselling Services
A. Hebron, BAEd, MA (Dar)

Coordinator, Students Governance and Judicatory Services Unit
A. C. Mlowola, BA, MA (Dar)

Cordinator, Students Health and Catering Services Unit
W. R. Mihayo, Dip (Mwanza)

Senior Office Management Secretary
A. K. Kilabula, Certificate (TPSC) (Dar)

Senior Human Resource Officer
T. S. Mchagu, BHRM (Dar)

Records Management Officer II
B. Mpina, BA

Senior Janitor
R. C. Makamba, BSc (Dar)

Principal Warden I
C. A. Swai, BA, MA (Dar)

Principal Warden II
P. L. Mligo, Dip, BEd, MA (Dar)

Principal Warden I
G. L. Luambano, Dip (Iringa), BEd, MA (Dar)

Senior Janitor I
T. R. Kavishe, BA (Dar)

Senior Social Welfare Officer
T. J. Massawe, Dip, MSc (Dar)

Social Welfare Officer
F. M. Nyamda, BA (Dar)

Driver II
J. I. Chengelwa, Cert. (Dar)

University Students Accommodation Bureau (USAB)
USAB Manager
Z. A. Swima, LLB, MBA (Dar)

Deputy USAB Manager, Dr. John Pombe Joseph Magufuli Hostels
J. Kilawe, BA, MA (Dar)

Deputy USAB Manager, Mwl. J. K. Nyerere Campus Hostels
A. H. Kambagha, Dip (Marangu), BAEd, MA (Dar)

Deputy USAB Manager, Mabibo Hostels
A. R. Isingo, BEd, MAEd (Dar)

Senior Human Resource Officer - USAB
F. K. Nchimbi, BAPA (Dodoma)

Office Administrative Secretary
A. J. Marimbo, Dip (Tabora)

Wardens, Mwl. J. K. Nyerere Campus Hostels
Hall I
A. E. Tunguhole, BAEd (Dar), PGDLMA(ISW), MSc (Morogoro)
A. E. Duma, BA (Dar)

Hall II
N. W. Mbaruku, BA, LLB (Dar)
P. G. Masigati, Dip (Mtwara)

Judge Julie Manning Hall
J. J. Nchimbi, BA, MA (Dar)
C. K. Charles, BAEd (Dar), MA (Morogoro)

Hall IV
C. I. Boshe, Cert, BAEd, MA-ASP (Dar)
J. E. Mkama, BED-PSY (Dodoma)

Hall V
S. D. Dhajeh, Cert, Dip (Bagamoyo), BAEd (Morogoro), MA(Dar)
K. O. Chambati, BEd (ADEC) (Dodoma)

Hall VI
D. J. Mungur, Cert (Pwani), BAEd (Dodoma), MA (OUT)
E. E. Mmbaga, Dip (Morogoro), BAEd (Moshi)

Hall VII
R. H. Chambo, BAEd, MA, (Dar)
F. N. Mwahalende, BSc.Ed (Dar)

Wardens, Ubungo Hostels
B. N. Ndamugoba, BASO (Dodoma)
J. J. Ndebea, Dip (Moshi)

Warden, CoICT Hostels
A. S. Maengela, BAEd (Dodoma), MEMA (Dar)

Warden, Kunduchi Hostels
G. A. Mbonika, Dip (Kleruu), BA (OUT)

Warden, Mikocheni Hostels
S. M. Yussuf, BEd (SAUT), MA-MEMA (Dar)

Wardens, Dr. John Pombe Joseph Magufuli Hostels
Block A
L. K. Enock, BAEd (Dar)
M. S. Mwita, BEd, MEDU-PPA (UoI)
L. Kanyita, Dip (Mbeya)

Block B
J. Ulime, BAEd (Dar), MBA (Iringa)
T. Makupa, BA (Dar)
G. B. Kayombo, BEd, MAASP (Dar)

Block C
G. A. Njau, Cert (Marangu), BAEd (OUT), PGD (TPCS)
E. P. Sibula, Dip (Mara)

Block D
T. Makelele, BAEd (Dar), MA (Morogoro)
A. Minja, Dip (Dakawa)

Block E
G. R. Gama, Dip (Bagamoyo)
S. D. Mujemula, BAEd (OUT)
F. A. Kamugisha, BA, MA(Dar)

Block F
J. M. Jirori, Dip (Marangu), BEd (Dar)
J. Chavala, Dip (Dakawa)

Staff, Mabibo Hostels
Block A
Warden
C. F. Lugusi, BEd, MPPA, (Iringa)

Janitors
L. R. Mvuna, Dip. Rungemba CDTI (Iringa)
Z. D. Mbiye, Dip. (Morogoro)

Block B
Wardens
J. S. Kagaruki, Dip (Rungemba), BASO (OUT)
G. J. Malobe, BAEd, MAASP (Dar)

Block C
Warden
H. R. Harenga, BEd (Dar)), MSc (Morogoro)

Janitor
S. P. Massae, Dip (Tanga)

Block D
Wardens
T. L. Nkebukwa, BA (Dar)
P. P. Mfugale, BAEd, MEd - ASP (Dar)

Janitor
S. S. Manota, Dip. (Mwanza)

Block E
Warden
M. L. Nyamrukwa, BAEd, MED-ASP (Dar)

Janitor
S. A. Semdoe, Cert (Bustani), Dip Adem (Pwani)

Block F
Warden
N. Muoji, BEd. Psy, MEMA (Dar)

Wardens, MCHAS Hostels
P. A. Mdegella, BA (Iringa), MA (ASP) (Dar)
S. S. Katunzi, Dip (Marangu), BA (Dar), MPA (Morogoro)
S. A. Nyika, Cert (Mtwara), Dip (Mbeya)

IMS Zanzibar
Wardens, Mazizini Hostels
F. Juma, BAEd (Dar)
S. Mgaya, Dip (Tarime)

Warden, MRI Dodoma
E. A. Mpamo, Dip (Arusha)

Dar es Salaam University Students Organisation (DARUSO)
DARUSO President
E. William (2023-04-13726) – BSc. Education

DARUSO Vice President
J. J. Semkuyu (2023-04-12516) – BA with Education

DARUSO Prime Minister
A. S. Simba (2023-04-12889) – BCom in Accounting

OFFICE OF THE DEPUTY VICE CHANCELLOR (RESEARCH)
Administrative Officer I
B. F. Lugwisha, BA (Dar), MA (Mysore)

Senior Accountant I
B. Chandika, ADA (Dar), PGDFM (Dar), CPA (T)

Secretary I
M. T. Haule, DSS (Dar)

Senior Office Assistant II
M. A. Shomary, Cert (Dar)

Senior Driver I
R. I. Ng'unda, O level (Dar)

Directorate of Research and Publication (DRP)
Senior Administrative Officer I - Research
W. Navwa, BA PSPA (Hons), PHR (Dar)

Administrative Officer II - Grants
Vacant

Secretary I
A. M. Seveline, Diploma (Tabora)

Office Attendant
C. A. Laimos, Cert. (Dar)

Driver II
A. S. Urari, O-Level (Dar)

Dar es Salaam University Press (DUP)
Human Resource Officer
E. U. Kilawe, BA, PHR (Dar)

Editors
R. A. Muhdhar, BAEd (Hons), MA (Dar)
S. R. Assey, BSc (Morogoro), MA (Dar)
S. Kulwa, BAEd (Hons), MA (Dar)

Assistant Accountant
J. B. Busononhe, BA (TIA – Mbeya), Dipl. in Accountancy, Cert in Accountant (TIA – Mwanza)

Records Management Assistant
C. G. Shoni, Dipl. in Library and Information Studies (TPSC), BALIS (Dar)

Office Management Sectretary II
D. B. Mpangwa, Dipl. in Secretariate Studies (TPSC) (Singida)

Directorate of Public Services (DPS)
Continuing Education Centre
Head and Principal Administrative Officer II
L. B. Kisaka, BCom (Nairobi), PGD (Dar), IHRM (Cambridge), MBA (Dar)

University Consultancy Bureau
Manager and Senior Lecturer
H. Makundi, BSc, PGD (Dar), MSc (Sussex), PhD (Ku-Leuven)

Industrial Liaison Office
Head and Senior Lecturer
Eva I. Shayo, BSc, MSc, PhD (Dar)

Human Resource Officer
D. D. Kagirwa, BSc (Dar)

Business Development Officer
Z. George BBA, MSc. (Dar)

Accounts Officers
J. Dadi, BA (Dodoma)
A. Tillya, BSc (UK)

Office Management Secretary
M. K. Kyando, Dipl. Secretarial Studies (TPSC), Teaching Methodology (STRYDE Project)

Office Attendant
Vacant

Driver
S. M. Pius, Motor Vehicle Mechanics-Grade II and the Upgrading Course (VETA), Cert. Driving (NIT)

Directorate of Innovation and Entrepreneurship (DIEN)
Principal Administrative Officer
K. S. Mloba, BA (Dar), PGD (CFR), MSHR (Morogoro)

Office Management SecretaryII
P. M. Ngole, Dipl. Secretarial Studies (TPSC)

Office Attendant
N. A. Kimisha, O-Level, Cert. Librarian (Dar)

Driver II
M. A. Mdoe, Motor Vehicle Mechanics-Grade II and the Upgrading Course (VETA), Cert. Driving (NIT)

DIRECTORATE OF LIBRARY SERVICES
Principal Administrative Officer
M. P. Bwathondi, BCom, MBA (Dar)

Library Departments
Technical Services
Associate Professor/Librarian and Head
E. F. Wema, Dip, BLIS (Kampala), MA (Dar), PGD (Stellenbosch), PhD (Loughborough)

Research and Publication
Senior Lecturer/Librarian and Head
M. K. Ally, BAEd, MA, PhD (Dar)

Reader Services
Lecturer/Librarian and Head
C. Kimaryo, BAEd, MA, PhD (Dar)

Library Collections
Arts and Social Sciences
Senior Library Officer and Supervisor
R. N. Suleiman, BALIS (TUDARCO)

Science and Engineering
Library Officer and Supervisor
E. Nkoba, BALIS (TUDARCO)

Law
Principal Library Officer and Supervisor
H. B. Gideon, BA, MHRM (Dar)

East Africana
Library Officer and Supervisor
V. N. Mwashihava, BA, MLIM (OUT)

Reference and Document Delivery
Library Officer and Supervisor
L. D. Mfupe, BA, MA (Dar)

ICT
Senior Library Officer and Supervisor
Z. R. Mshana, BA, MA (Dar)

Acquisitions
Senior Library Officer and Supervisor
M. A. Ngulangwa, BALIS (TUDARCO)

S/N	FULL NAME	MEMBERSHIP TYPE	TITLE AND ADDRESS	EMAIL
1.	Amb. Mwanaidi Sinare Maajar	Appointee of the President of the United Republic of Tanzania	Chairperson Advocate, Corporate Commercial and Natural Resources Law Practitioner Rex House, 344 Ghuba Rd./Toure Drive Oysterbay P. O. Box 7495 Dar es Salaam, Tanzania	mmaajar@rexaltorneys.co.tz
2.	CPA Moremi Marwa	Appointee of Minister, MoEST	Deputy Chairperson Chief Executive Officer (CEO) of Tanzania Telecommunications Corporation (TTCL) Telecommunications Corporation, Extelcoms House, 32, Samora Street, P. O. Box 9070, 11104 Dar es Salaam, Tanzania	moremiandrea@gmail.com
3.	Prof. William-Andey Lazaro Anangisye	Vice Chancellor, University of Dar es Salaam	Vice Chancellor University of Dar es Salaam	vc@udsm.ac.tz
4.	Prof. Carolyne I. Nombo	Permanaent Secretary - MoEST	Permanent Secretary Ministry of Education, Science and Technology Permanent Secretary Government City Mtumba Area - Afya Street P. O. Box 1040479 Dodoma, Tanzania.	ps@moe.go.tz info@moe.go.tz
5.	Mr. Nehemia K. Mchechu	Treasury Registrar	Treasury Registrar Morocco Square Tower Mwai Kibaki Road, Kinondoni, Dar es Salaam P. O. Box 3193, Dar es Salaam, Tanzania	info@tro.go.tz

S/N	FULL NAME	MEMBERSHIP TYPE	TITLE AND ADDRESS	EMAIL
6.	Dr. Maryam Jaffar Ismail	Appointee of the Revolutionary Government of Zanzibar	Senior Lecturer School of Education State University of Zanzibar (SUZA) I92 Barabara ya Tunguu	maryam.ismail@suza.ac.tz
7.	Prof. Raphael Tihelwa Chibunda	Appointee of Chancellor	Vice Chancellor Sokoine University of Agriculture P. O. Box 3000, Chuo Kikuu, Morogoro, Tanzania	vc@sua.ac.tz
8.	Amb. Tuvako N. Manongi	Appointee of Convocation President – Convocation University of Dar es Salaam	NIL	tmanongi@aol.com
9.	Eng. Mary Moses Swai	Member - Appointee of Minister, MoEST	Chief Executive Officer Public Procurement Regulatory Authority (PPRA) P. O. Box 2865 Dodoma, Tanzania	mswai@gmail.com
10.	Eng. Joyce Kisamo	Appointee of Minister, MoEST	Ministry of Energy P. O. Box 75044 Dar es Salaam, Tanzania.	jkisamo2015@gmail.com
11.	Prof. Neema G. Mori	Appointee of the Senate	Associate Professor University of Dar es Salaam Business School and Director, Public Service, University of Dar es Salaam	mori.neema@udsm.ac.tz
12.	Prof. Elgidius Ichumbaki	Appointee of UDASA	Chairperson University of Dar es Salaam Academic Staff Assembly and Associate Professor College of Humanities	ichumbaki@udsm.ac.tz

S/N	FULL NAME	MEMBERSHIP TYPE	TITLE AND ADDRESS	EMAIL
13.	Ms. Juliana Samengo Haule	Appointee of THTU	Acting Chairperson Tanzania Higher Learning Trade Union (THTU), University of Dar es Salaam Senior Office Assisstant I	haule.juliana@udsm.ac.tz
14.	Mr. Emmanuel William	Appointee of DARUSO	DARUSO President P. O. Box 35080 Dar es Salaam, Tanzania	wiliamemmanuel814@gmail.com

POSTAL ADDRESS	TELEPHONE	TELEFAX
CENTRAL ADMINISTRATION P. O. BOX 35091 DAR ES SALAAM TELEGRAPHIC ADDRESS: "UNIVERSITY" DAR ES SALAAM WEBSITE: http://www.udsm.ac.tz	+255-22-2410500/8	+255-22-2410023
VICE CHANCELLOR P. O. BOX 35091 DAR ES SALAAM EMAIL: vc@udsm.ac.tz	+255-22-2410500/8 Ext 2001/2575 +255-22-2410700	+255-22-2410078
DEPUTY VICE CHANCELLOR (ACADEMIC) P. O. BOX 35091 DAR ES SALAAM TELEGRAPHIC ADDRESS: UNIVERSITY OF DAR ES SALAAM EMAIL: dvc-arc@udsm.ac.tz	+255-22-2410500/8 +255-22-2410077 Ext. 2002	+255-22-2410023 +255-22-2410078
DEPUTY VICE CHANCELLOR (ADMINISTRATION) P. O. BOX 35091 DAR ES SALAAM TELEGRAPHIC ADDRESS: UNIVERSITY OF DAR ES SALAAM EMAIL: dvc.pfa@udsm.ac.tz	+255-22-2410500/8 Ext. 2003 +255-22-2410394	+255-22-2410023 +255-22-2410078
DEPUTY VICE CHANCELLOR (RESEARCH) P. O. BOX 35091 DAR ES SALAAM UNIVERSITY OF DAR ES SALAAM EMAIL: dvc.research@udsm.ac.tz	+255-22-2410500/8 Ext. 2087 +255-22-2410743	+255-22-2410743 +255-22-2410078
CORPORATE COUNSEL AND SECRETARY TO COUNCIL P. O. BOX 35091 DAR ES SALAAM UNIVERSITY OF DAR ES SALAAM EMAIL: stc@udsm.ac.tz	+255-22-2410169	NIL
DIRECTORATE OF POSTGRADUATE STUDIES P. O. BOX 35091 DAR ES SALAAM EMAIL: dpgs@udsm.ac.tz	+255-22-2410500/8 Ext. 2010 +255-22-2410069	+255-22-2410023
DIRECTORATE OF UNDERGRADUATE STUDIES P. O. BOX 35091 DAR ES SALAAM EMAIL: dus@udsm.ac.tz	+255-22-24105444 Ext. 2019	+255-22-2410078

POSTAL ADDRESS	TELEPHONE	TELEFAX
DIRECTORATE OF RESEARCH AND PUBLICATION P. O. BOX 35091 DAR ES SALAAM EMAIL: research@udsm.ac.tz	+255-22-2410500/8 Ext. 2086/2077, 2082/2084 +255-22-2410727	+255-22-2410743
DIRECTORATE OF PUBLIC SERVICES P. O. BOX 35125 DAR ES SALAAM EMAIL: dps@udsm.ac.tz	+255-22-2410410 +255-22-2410500/8 Ext. 2570	+255-22-2410714
DIRECTORATE OF INNOVATION AND ENTREPRENEURSHIP P. O. BOX 110099 DAR ES SALAAM EMAIL: udiec@udsm.ac.tz	+255-22-2410115 Ext. 2087	+255-22-2410510
DIRECTORATE OF STUDENTS SERVICES P. O. BOX 35091 DAR ES SALAAM EMAIL: doso@udsm.ac.tz	+255-22-2410256	+255 22 2410078/481
DIRECTORATE OF PLANNING, DEVELOPMENT AND INVESTMENT P. O. BOX 35091 DAR ES SALAAM EMAIL: dpdi@udsm.ac.tz	+255-22-2410500/8 Ext. 2022/2790 +255-22-2410514/5	+255-22-2410514
COLLEGE OF HUMANITIES P. O. BOX 35051 DAR ES SALAAM EMAIL: cohu@udsm.ac.tz	+255-22-2410500/8 Ext. 2294	+255-22-2410395
COLLEGE OF AGRICULTURAL SCIENCES AND FOOD TECHNOLOGY P. O. BOX 35064 DAR ES SALAAM EMAIL: coaf@udsm.ac.tz	+255-22-2410462	NIL
COLLEGE OF ENGINEERING AND TECHNOLOGY P. O. BOX 35131 DAR ES SALAAM EMAIL: principalcoet@udsm.ac.tz	+255-22 2410753 +255-22 2410114	+255-22-2410029 +255-22 2410753
COLLEGE OF NATURAL AND APPLIED SCIENCES P. O. BOX 35065 DAR ES SALAAM EMAIL: principalconas@udsm.ac.tz	+255-22-2410129 +255-22-2410500/8 Ext. 2686/2799	+255-22-2410129
COLLEGE OF INFORMATION AND COMMUNICATION TECHNOLOGIES P. O. BOX 35194 DAR ES SALAAM EMAIL: principalcoict@udsm.ac.tz	+255-2700201	NIL

POSTAL ADDRESS	TELEPHONE	TELEFAX
COLLEGE OF SOCIAL SCIENCES P. O. BOX 35051 DAR ES SALAAM EMAIL: coss@udsm.ac.tz	+255-22-2410500/8 Ext. 2294 +255-22-2410472	+255-22-2410472 +255-22-2410395
UNIVERSITY OF DAR ES SALAAM SCHOOL OF LAW P. O. BOX 35093 DAR ES SALAAM EMAIL: dean_law@udsm.ac.tz	+255-22-2410196, +255-22-2410500/8 Ext. 2357	+255-22-2410254/
UNIVERSITY OF DAR ES SALAAM SCHOOL OF ECONOMICS P. O. BOX 35045 DAR ES SALAAM EMAIL: udsoe@udsm.ac.tz	+255-22-2410500/8 Ext. 2262 +255-22-2410252	+255-22-2410162
UNIVERSITY OF DAR ES SALAAM BUSINESS SCHOOL P. O. BOX 35046 DAR ES SALAAM EMAIL: dean@udbs.udsm.ac.tz	+255-22-2410500/8 Ext. 2013	+255-22-2410510 +255-22-2410006
SCHOOL OF EDUCATION P. O. BOX 35048 DAR ES SALAAM EMAIL: dean@edu.udsm.ac.tz	+255-22-2410500/8 Ext. 219422-2410608	NIL
SCHOOL OF AQUATIC SCIENCES AND FISHERIES TECHNOLOGY P. O. BOX 60091 DAR ES SALAAM EMAIL: soaf@udsm.ac.tz	+255 22 2410500	
SCHOOL OF MINES AND GEOSCIENCES P. O. BOX 35052 DAR ES SALAAM EMAIL: dean.somg@udsm.ac.tz	+255 22 2410013	+255 22 2410078/481
SCHOOL OF JOURNALISM AND MASS COMMUNICATION P. O. BOX 4067 DAR ES SALAAM EMAIL: sjmc@udsm.ac.tz	+255-22- 2700756/27Ext. 00236	+255-22-2700239
INSTITUTE OF GENDER STUDIES P. O. BOX 35091 DAR ES SALAAM EMAIL: igs@udsm.ac.tz	+255-22-2410637 Ext. 2178	
INSTITUTE OF DEVELOPMENT STUDIES P. O. BOX 35169 DAR ES SALAAM EMAIL: ids@udsm.ac.tz	+255-22-2410500/8 +255-22-2410237 Ext. 2600-1	+255-22-2410075

POSTAL ADDRESS	TELEPHONE	TELEFAX
INSTITUTE OF KISWAHILI STUDIES P. O. BOX 35110 DAR ES SALAAM EMAIL: iks@udsm.ac.tz	+255-22-2410757 +255-22-2410328 +255-22-2410500/8 Ext. 2647	NIL
INSTITUTE OF MARINE SCIENCES P. O. BOX 668 ZANZIBAR EMAIL: director.ims@udsm.ac.tz	+255-24-2230741/ +255-24-2232128	+255-24-2233050
INSTITUTE OF RESOURCE ASSESSMENT P. O. BOX 35097 DAR ES SALAAM EMAIL: ira@udsm.ac.tz	+255-22-2410500/8 Ext. 2410 +255-22-2410144	+255-22-2410393
DIRECTORATE OF LIBRARY SERVICES P. O. BOX 35092 DAR ES SALAAM EMAIL: directorlibrary@udsm.ac.tz	+255-22-2410500/8 Ext. 2165 +255-22-2410241	NIL
UNIVERSITY COMPUTING CENTRE (UCC) P. O. BOX 35062 DAR ES SALAAM EMAIL: ucc@udsm.ac.tz	+255-22-2410500/8 +255-22-2410645 +255-744-782120	+255-22-2410690
DAR ES SALAAM UNIVERSITY PRESS (DUP) P. O. BOX 35182 DAR ES SALAAM EMAIL: dup@udsm.ac.tz	+255-22-2410093 +255-22-2410500 Ext. 2560	NIL
CONFUCIUS INSTITUTE AT UDSM P. O. BOX 35146 DAR ES SALAAM EMAIL: ci@udsm.ac.tz	+255-753-595-960 +255-784-991-010	NIL
QUALITY ASSURANCE UNIT P. O. BOX 110093 DAR ES SALAAM EMAIL: qab@udsm.ac.tz	+255-22-2410747	+255-22 2410747
DIRECTORATE OF FINANCE P. O. BOX 35091 DAR ES SALAAM EMAIL: bursar@udsm.ac.tz	+255-22-2410500/8 Ext. 2069/2076 +255-22-2410516	NIL
DIRECTORATE OF ESTATES SERVICES P. O. BOX 35091 DAR ES SALAAM	+255-22-2410056	+255-22-2410132
UNIVERSITY OF DAR ES SALAAM HOSPITAL P. O. BOX 35074 DAR ES SALAAM EMAIL: medical@udsm.co.tz	+255-22-2410500/8 Ext. 2006/2555/ 2552	+255-22-2410023
DAR ES SALAAM UNIVERSITY STUDENTS' ORGANISATION P. O. BOX 35080 DAR ES SALAAM EMAIL: DARUSO@hotmail.com	+255-22-2410251 +255-22-2410500/8 Ext. 2395/6	NIL

POSTAL ADDRESS	TELEPHONE	TELEFAX
UNIVERSITY HILL POST OFFICE P. O. BOX 35000 DAR ES SALAAM	+255-22-2410143	NIL
MLIMANI PRIMARY SCHOOL P. O. BOX 35091 DAR ES SALAAM	+255-22-2410135	NIL
MKWAWA UNIVERSITY COLLEGE OF EDUCATION P. O. BOX 2513 IRINGA EMAIL: principal@muce.ac.tz	+255-26-2702751	+255 (26) 2702751
MBEYA COLLEGE OF HEALTH AND ALLIED SCIENCES P. O. BOX 608 MBEYA EMAIL: mchas@udsm.ac.tz	+255-25-2500082	NIL
DAR ES SALAAM UNIVERSITY COLLEGE OF EDUCATION P. O. BOX 2329 DAR ES SALAAM EMAIL: principal@duce.ac.tz	+255-22-2850975	+255 (0) 222850972
UNIVERSITY OF DAR ES SALAAM MINERAL RESOURCES INSTITUTE P. O. BOX 1696 DODOMA EMAIL: principal@mri.ac.tz	+255262963004	+255262963003
UNIVERSITY OF DAR ES SALAAM ACADEMIC STAFF ASSEMBLY (UDASA) P.O. BOX 35091 DAR ES SALAAM EMAIL: udasa@udsm.ac.tz	NIL	NIL

REGULATIONS GOVERNING AWARD OF POSTGRADUATE DEGREES, PROGRAMMES AND COURSES OFFERED BY COLLEGES

COLLEGE OF AGRICULTURAL SCIENCES AND FOOD TECHNOLOGY (CoAF)

INTRODUCTION

The College of Agriculture and Food Technology (CoAF) comprises four departments, namely: Agricultural Engineering, Crop Sciences and Beekeeping Technology, Food Science and Technology and Agricultural Economics and Business.

CoAF core mandate is to advance the economic, social and technological development of Tanzania and beyond through excellent teaching, research, knowledge exchange and offering of public services using talented and motivated staff and students with a principal focus on Agriculture and Food Technologies.

The College is interdisciplinary, offering diverse programmes in agriculture, beekeeping, natural resource, agricultural economics and business, technology and engineering. Training puts emphasis on the areas pertaining to production science and technology, particularly in crops and beekeeping, mechanisation, post-harvest technologies, processing, value addition, biotechnology, nanotechnology, innovations and agro-technologies.

Specifically, the training equips graduates in the following fields: irrigation engineering, agricultural mechanisation, climate change studies, urban and peri-urban agriculture, including horticulture, post-harvest technologies especially agro-processing, value addition and marketing of dairy, poultry, meat, seafood, cereals, fruits, and vegetables, food safety and quality seed and feed technologies, agricultural bioengineering, and beekeeping sciences and technologies.

THE POSTGRADUATE PROGRAMMES OFFERED BY THE COLLEGE

i. Master of Science by coursework and dissertation
ii. Master of Science by thesis
iii. Doctor of Philosophy by coursework and dissertation
iv. Doctor of Philosophy by thesis

Currently, CoAF offers the following postgraduate programmes:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non-Tanzanian (USD)
i.	Master of Science in Food Science and Technology	Thesis	Full-time	24 months	6,375,000	8,040
ii.	Master of Science in Integrated Food Security	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040
iii.	Master of Science in Beekeeping Science and Technology	Thesis	Full-time	24 months	6,375,000	8,040
iv.	Master of Science in Crop Science and Technology	Thesis	Full-time	24 months	6,375,000	8,040

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non-Tanzanian (USD)
v.	Master of Science in Agricultural Economics and Business	Thesis	Full-time	24 months	6,375,000	8,040
vi.	Master of Science in Agricultural Engineering	Thesis	Full-time	24 months	6,375,000	8,040
vii.	Doctor of Philosophy (PhD) in Food Science and Technology	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year
viii.	Doctor of Philosophy (PhD) in Integrated Food Security	Coursework and Dissertation	Full-time	36 months	3,000,000 per year	4,020 per year
ix.	Doctor of Philosophy (PhD) in Beekeeping Science and Technology	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year
x.	Doctor of Philosophy (PhD) in Crop Science and Technology	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year
xi.	Doctor of Philosophy (PhD) in Agricultural Economics and Business	Thesis	Full-time	36 months	3,000,000 per year	4,020 per year
xii.	Doctor of Philosophy (PhD) in Agricultural Engineering	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year

MASTER OF SCIENCE IN INTEGRATED FOOD SECURITY

1. Introduction

The programme consists of two parts: coursework (Part I) and dissertation (Part II), extending over a period of two academic years (24 months) distributed into four semesters of full-time attendance from the date of registration. The first two semesters in the first year are spent on coursework, with final examinations at the end of each semester; while the second year is devoted to dissertation work. During the second semester of the first year, students are required to develop research proposals detailing the theoretical background and methodology, as a preparation for dissertation work.

The minimum number of credits for graduation is 180, of which 120 are for coursework and 60 for dissertation. Of the coursework credits, each student is required to take 104 credits from core courses and a minimum of 24 credits from elective courses. Completing a course is defined as obtaining a B grade or higher. A student must pass both the coursework and the dissertation to qualify for the degree award.

2. Entry Requirements

Admission into the programme will be in accordance with the University of Dar es Salaam regulations regarding postgraduate studies. To be eligible for admission to the programme for each specialisation, the applicants should be a holder of a bachelor of science in:

i. Agricultural Mechanisation and Food Security

This includes fields such as Agricultural Engineering, Mechanical Engineering, Chemical and Process Engineering, Food Science and Technology, Food and Biochemical Engineering, Bioprocessing and Post Harvesting Engineering, Water and Irrigation Engineering, and other related fields.

ii. Crop Science and Food Security

This includes fields such as Crop Science, Horticulture, Agronomy, Bioprocessing and Post Harvesting Engineering, Applied Agricultural Extension, Beekeeping, Food Science and Technology, Agricultural Engineering, Aquatic Sciences and Fisheries Technology, Biotechnological Sciences, Natural Resources Management, Botany, Zoology, Conservation Biology, Wildlife Management, Agriculture, Forestry, Environmental Sciences, and other related fields.

iii. Aquatic Sciences and Food Security

This includes fields such as Aquatic Sciences and Fisheries Technology, Crop Science and Beekeeping, Food Science and Technology, Agricultural Engineering, Biotechnological Sciences, Natural Resources Management, Botany, Zoology, Agriculture general, Conservation Biology, Agriculture, Forestry, and Environmental Sciences, Food and Biochemical Engineering, Chemical and Process Engineering, and other related fields.

iv. Food Technology and Nutrition Security

This includes fields such as Food Science and Technology, Human Nutrition, Bioprocessing and Post Harvesting Engineering, Food and Biochemical Engineering, Chemical and Process Engineering, Aquatic Sciences and Fisheries Technology, Crop Science and Beekeeping, Agricultural Engineering, Biotechnological Sciences, Botany, Zoology, Conservation Biology, Agriculture, Forestry, Environmental Sciences, and other related fields.

v. Agricultural, Natural Resources Economics and Food Security

This includes fields such as Agricultural and Natural Resources Economics and Business, Natural Resources Management, Agricultural Economics and Business, and other related fields.

3. Assessment and Examinations

The UDSM general examination regulations apply.

4. List of Courses

Year 1

Common Core Courses

Course Code	Course Title	Credits
FS 600	Market Access for Agricultural and Food products	12
FS 601	Environment, Food and Society	12
FS 602	Food and Nutrition Security for Sustainable Development	12
FS 603	Economic Policy Analysis and Management	12
FS 702	Integrated Research Methods	20
Total Number of Common Core Credits		**68**

Core Courses for Food Technology and Nutrition Security Stream

Course Code	Course Title	Credits
FS 706	Advanced Food Process Engineering	20
FS 708	Food Nutrition and Dietetics	20
Total Number of Core Credits		**40**

Core Courses for Agricultural Mechanisation and Food Security Stream

Course Code	Course Title	Credits
FS 604	Farm Machinery and Mechanisation	12
FS 605	Water Management for Food Production	12
FS 606	Design and Management of Farm Produce Storage Structures	12
Total Number of Core Credits		**36**

Core Courses for Aquatic Sciences and Food Security Stream

Course Code	Course Title	Credits
FS 607	Principles of Aquaculture and Production	12
FS 608	Bioeconomic Modelling in Fisheries and Aquaculture	12
FS 609	Remote Sensing and GIS in Fisheries and Aquaculture	12
Total Number of Core Credits		**36**

Core Courses for Crop Science and Food Security Stream

Course Code	Course Title	Credits
FS 610	Crop Protection	12
FS 611	Pollination Ecology	12
FS 612	Crop Science Practical	12
Total Number of Core Credits		**36**

Core Courses for Agricultural, Natural Resources Economics and Food Security Stream

Course Code	Course Title	Credits
FS 613	Economics and Management of the Agri-Food System	12
FS 614	Quantitative Methods, Measurements and Analysis	12
FS 705	Agriculture, Food and Natural Resource Economics	20
Total Number of Core Credits		**44**

Elective Courses for Food Technology and Nutrition Security Stream

Course Code	Course Title	Credits
FS 620	Computer Application for Food Industry	12
FS 621	Nutraceuticals and Indigenous Foods	12
Total Number of Elective Credits		**24**

Elective Courses for Agricultural Mechanisation and Food Security Stream

Course Code	Course Title	Credits
FS 623	Renewable Energy Applications and Crop Drying	12
MG 639	Technology Transfer and Commercialisation	12
Total Number of Elective Credits		**24**

Elective Courses for Aquatic Sciences and Food Security Stream

Course Code	Course Title	Credits
FS 625	Integrated Coastal Zone Management	12
FS 626	Fisheries and Aquaculture Regulations	12
Total Number of Elective Credits		**24**

Elective Courses for Crop Science and Food Security Stream

Course Code	Course Title	Credits
FS 627	Soil-Water and Crop Production System	12
FS 628	Honey Production, Processing, Value Addition and Marketing	12
Total Number of Elective Credits		**24**

Elective Courses for Agricultural, Natural Resources Economics and Food Security Stream

Course Code	Course Title	Credits
FS 630	Global Economic Perspectives of Food Security	12
FS 631	Economics of Agricultural Production and Food Security	12
Total Number of Elective Credits		**24**

Year 2

Semester I		
Course Code	Status	Credits
FS 699	Research Proposal Development and Presentation, Field Work/Laboratory Experiment and Data Collection	
Semester II		
FS 699	Dissertation	60

DOCTOR OF PHILOSOPHY IN INTEGRATED FOOD SECURITY

1. Introduction
This is a full-time programme using a mixed mode of taught courses and dissertation research.

2. Assessment and Examinations
For the taught part, coursework assessment weighs 50% and the final examination makes up another 50% of the total marks. The dissertation carries 100% of the total course assessment. In addition to sitting for and passing the examinations, candidates are required to do a comprehensive examination before they are allowed to proceed with dissertation. The dissertation may be submitted either as a single monograph or at least 5 journal papers with introduction and conclusion chapters as stipulated under section 6.5.3 of the General Regulations and Guidelines for Postgraduate Programmes. Two of the journal papers must be published or accepted for publication in international journals recognised by the University of Dar es Salaam. The aim is to train candidates to write acceptable manuscripts and instill a culture of publishing scientific results.

3. Entry Requirements
The applicants should be holders of a Masters degree (MSc in Food Engineering and Processing, Biotechnological Sciences, Food Science, Food Technology, Food Quality and Safety Assurance, Food Safety and Public Health, Integrated Food Security, Natural Resources Management, Botany, Zoology, Conservation Biology, Wildlife management, Agriculture, Forestry, and Environmental Sciences and Management and related fields) or an equivalent master's degree from a higher learning institution recognised by the UDSM. Entry requirements will follow University of Dar es Salaam criteria as stipulated under section 1.4.3 of the General Regulations and Guidelines for Postgraduate Programmes.

4. List of Courses
Common Core Courses
Year 1: Semester I
Common Core Courses

Course Code	Course Title	Credits
FS 700	Climate change, Agriculture and Food Security	20
FS 703	Advances in Postharvest Pests and Diseases	20
Total Number of Core Credits		**40**

Core Courses for Natural Resource Management and Food Security Stream

Course Code	Course Title	Credits
FS 704	Environment and Food Security	20
FS 705	Agriculture, Food and Natural Resource Economics	20
Total Number of Core Credits		**40**

Core Courses for Food Engineering and Processing Stream

Course Code	Course Title	Credits
FS 706	Advanced Food Process Engineering	20
FS 708	Food Nutrition and Dietetics	20
Total Number of Core Credits		**40**

Core Courses for Agricultural and Livestock Production and Productivity Stream

Course Code	Course Title	Credits
FS 710	Biotechnology and Food Security	20
FS 711	Tropical Ruminant and Non-Ruminant Production Systems	20
Total Number of Core Credits		**40**

Core Courses for Fisheries and Aquaculture Stream

Course Code	Course Title	Credits
FS 712	Health Management in Aquaculture	20
Total Number of Core Credits		**20**

Elective Courses for Natural Resource Management Stream

Course Code	Course Title	Credits
FS 630	Global Economic Perspectives of Food Security	12
FS 631	Economics of Agricultural Production and Food Security	12
Total Number of Elective Credits		**24**

Elective Courses for Food Engineering and Processing Stream

Course Code	Course Title	Credits
FS 718	Fruit and Vegetable Technologies	20
Total Number of Elective Credits		**20**

Elective Courses for Agricultural and Livestock Production and Productivity Stream

Course Code	Course Title	Credits
EV 715	Stress Physiology	24
Total Number of Elective Credits		**24**

Elective Courses for Fisheries and Aquaculture Stream

Course Code	Course Title	Credits
AQ 712	Ecology of Fishes	24
AQ 720	Social and Environmental Impacts of Fisheries and Aquaculture	24
Total Number of Elective Credits		**48**

Year 1: Semester II
Common Core Courses

Course Code	Course Title	Credits
FS 701	Food Postharvest and Value Addition Technologies	20
FS 702	Integrated Research Methods	20
Total Number of Core Credits		**40**

Core Courses for Natural Resource Management and Food Security Stream

Course Code	Course Title	Credits
RM 705	Food Security, Agriculture and Natural Resource	30
Total Number of Core Credits		**30**

Core Courses for Food Engineering and Processing Stream

Course Code	Course Title	Credits
FS 707	Food Product Development and Innovation	20
Total Number of Core Credits		**20**

Core Courses for Agricultural and Livestock Production and Productivity Stream

Course Code	Course Title	Credits
FS 709	Agrobiodiversity and Food Security	20
Total Number of Core Credits		**20**

Core Courses for Fisheries and Aquaculture Stream

Course Code	Course Title	Credits
FS 713	Advanced brood Stock Selection Techniques	20
FS 714	Quality Management and Value Addition in Fisheries	20
Total Number of Core Credits		**40**

Elective Courses for Natural Resource Management Stream

Course Code	Course Title	Credits
FS 715	Environmental Economics and Management	20
FS 716	Agricultural Economics	20
Total Number of Elective Credits		**40**

Elective Courses for Food Engineering and Processing Stream

Course Code	Course Title	Credits
FS 719	Grains Processing	20
Total Number of Elective Credits		**20**

Elective Courses for Agricultural and Livestock Production and Productivity Stream

Course Code	Course Title	Credits
EV 715	Stress Physiology	24
Total Number of Elective Credits		**24**

Elective Courses for Fisheries and Aquaculture Stream

Course Code	Course Title	Credits
AQ 723	Aquaculture Economics	24
Total Number of Elective Credits		**24**

Year 3 & 4: Dissertation

Course Code	Status	Credits
FS 799	Core	400

POSTGRADUATE PROGRAMMES BY THESIS
i.   Master of Science in Food Science and Technology
ii.   Master of Science in Beekeeping Science and Technology
iii.   Master of Science in Crop Science and Technology
iv.   Master of Science in Agricultural Engineering
v.   Doctor of Philosophy in Food Science and Technology
vi.   Doctor of Philosophy in Beekeeping Science and Technology
vii.   Doctor of Philosophy in Crop Science and Technology
viii. Doctor of Philosophy in Agricultural Economics and Business
ix.   Doctor of Philosophy in Agricultural Engineering

CoAF STAFF LIST

Office of the Principal
Senior Lecturer and Principal
M. L. K. Manoko, BSc (Dar), MSc (Addis Ababa), PhD (Nijimegen)

Senior Administrative Officer
M. H. Kijonjo, BA (Dar)

Department of Crop Science and Beekeeping Technology
Senior Lecturer and Head
C. A. O. Joseph, BSc (Morogoro), MSc (Wuhan), PhD (Beijing)

Associate professor
**H. Kangalawe, BA (Ed), MA (Dar), PhD (Stellenbosch)

Senior Lecturers
M. L. K. Manoko, BSc (Dar), MSc (Addis Ababa), PhD (Nijimegen)
C.A. O. Joseph, BSc (Morogoro), MSc (Wuhan), PhD (Beijing

Lecturers
S. K. Mashilingi, BSc, MSc (Dar), PhD (Beijing)
C.S Busungu BSc, MSc (Morogoro) PhD (Kagoshima)
A. C. Mduda, BSc, MSc, PhD (Dar)
J. S. Kalonga BSc (Morogoro), MSc, PhD (Arusha)

Assistants Lecturers
*A. B. Kalekezi, BSc, MSc (Dar)
*M. S. Nyandi, BSc (Morogoro), MSc (Copenhagen)
*G. G. Kanyairita, BSc (Morogoro), MSc (Alabama)
*F. Makwinja, BSc, MSc (Morogoro)
J. D. Gonsalves, BSc, (Morogoro), MSc (Debresen)
B. Y. Tonola, BSc, MSc (Dar)
A. R. Kidabaga, BSc, MSc (Dar)
D. D. Narwango, BSc, MSc (Dar)
I. F. Rikohe, BSc (Dar), MSc (Arusha)
M. J. Malley, BSc (Dar), MSc (Fukuoka)
S. M. Mariba, BSc (Dar), MSc (Dar)

Tutorial assistants
* N.J Newa BSc (Dar)
*D.D Kilumile BSc (Morogoro)
 *P. S Kaijage BSc (Morogoro)

Lab Scientist
*W. Masele BSc (Morogoro)
*P. N. Athumani BSc (Dar)
G. J. Kuziganika, BSc (Morogoro)

Lab Technician
J. J. Chiza, ord. Dip (Tabora)
M. J. Kessy, ord. Dip (Mtwara)
E. F Balishavu, Ord. Dip (Tabora)
G. M Justine, Ord. Dip (Mbeya)
S.Y. Amiri, ord. Dip (Morogoro)

Department of Agricultural Economics and Business
Senior Lecturer and Head
I. John, BA, MA, PhD (Dar)

Senior Lecturers
A. Hepelwa, BA (Dar), MA (Kampala), PhD (Brussels)
R. Katikiro, BSc (Morogoro), MSc, PhD (Bremen)
I. John, BA, MA, PhD (Dar)

Lecturers
M. Mbwana, BSc, MSc, PhD (Morogoro)
S.M. Ngozi, BSc (Morogoro), MSc, PhD (Egerton)
C. L. Domician, BCom, MIT (Dar), PhD (Reading)

Assistant Lecturers
*C. Sinje, BCom, MIB (Dar)
*G. Mapunda, BA, MA (Dar)
*F. Mbegallo, BSc, MSc (Morogoro)
*M. S. Zungo, BSc, MSc (Morogoro)
*E. Mushi, BSc, MSc (Morogoro)
D. Mgeni, BSc (Morogoro), MSc (Copenhagen)
J.W. Msangi, BSc (Morogoro), MSc (Nakuru)
E. Jackson, BSc, MA (Dar)
S. Hassan, BA (Dar), MSc (Egerton)
T. L. Mroso, BSc, MSc (Dar)

Tutorial Assistants
A. J.Antony, BSc (Dar)
J.P. Ndemasi, BSc (Dar)

Department of Food Science and Technology
Senior Lecturer and Head
V. V. Matabura, BSc (Dar), MSc (Ghent), PhD (Leuven)

Associate Professors
O. Kibazohi, BSc (Dar), MSc, PhD (Waterloo)
L. D. Kaale, BSc, MSc (Dar), PhD (Trondheim)

Senior Lecturers
L. M. P. Rweyemamu, MSc (Moscow), PhD (Bergakademie Freiberg)
V. V. Matabura, BSc (Dar), MSc (Ghent), PhD (Leuven)

Lecturer
I. J. Vuga, BSc, MSc (Dar), PhD (Uppsala)
M. G. Mathias, BSc, MSc (Dar), PhD (Japan)

Assistant Lecturers
*I. S. Kinyoro, BSc (Morogoro), MSc (Tuskegee)
*F. D. Gonelimali, BSc (Dar), MSc (Zhejiang)
*R. M. Fortunatus, BSc (Morogoro), MSc (Florida)
*J. A. Ndanshau, BSc (Morogoro), MSc (Dar)
S. J. Kitigwa, BSc (Morogoro), MSc (Arusha)
*A. W. Mwakosya, BSc (Dar), MSc (Reading)
S. Damla, BSc (Dar), MSc (Leeds)

Tutorial Assistants
*H. O. Ngaga, BSc (Dar)
*C. N. Dionice, (Dar)

Lab Scientists
Ashraf Maulid Abdi, BSc (Dar)
Lusako Jeremia Mwakapemba, BSc (Dar)

Lab Engineer
Winfrida Righton Mwakatuma, BSc (Morogoro)

Department of Agricultural Engineering
Lecturer and Head
A. J. Mahinda, BSc (Morogoro), MSc (Nairobi), PhD (Kyoto)

Lecturers
A. N. Towo, BSc (Dar), MSc (Auburn), PhD (Bath)
A. J. Mahinda, BSc (Morogoro), MSc (Nairobi), PhD (Kyoto)

Assistant Lecturers
*J. Mohamed, BSc (Morogoro), MSc (Morogoro)
*P. C. Ngimbwa, BSc (Dar), MSc (Ohio)
*P. S. Milindi, BSc (Morogoro), MSc (Ohio)
P. G. Limu, BSc, MSc (Dar)
E. J. Kapesa, BSc (Morogoro), MSc (Mangalore)
G. P. Baitu, BSc (Morogoro), MSc. (Samsun)

Tutorial Assistants
*V. F. Tsoray, BSc (Morogoro)
P. Massay, BSc (Morogoro)
*F. Enos, BSc (Dar)
H. Kajwangya, BSc (Morogoro)
D. Mushi, BSc (Dar)

Lab Engineer
S. Mrisho, BSc (Morogoro)

_____
*On Study Leave
** On Sabbatical Leave
***On Leave of Absence/Secondment
**** On Post Doc

INTRODUCTION

The College of Engineering and Technology (CoET) offers postgraduate programmes leading to the award of Postgraduate Diploma in Engineering, Master of Science in Engineering and Doctor of Philosophy (PhD) in major fields of Engineering specialisation i.e. Chemical and Process Engineering, Civil Engineering, Electrical Engineering and Mechanical Engineering. The degree of MSc (Eng.) is either offered by Coursework and Dissertation mode or by Research and Thesis. The PhD degree is offered by thesis. CoET offers the following postgraduate programmes:

PROGRAMMES OFFERED BY THE COLLEGE

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (USD)
1.	Postgraduate Diploma in Chemical and Process Engineering	Coursework and Report	Evening	12 months	3,050,000	4,020
2.	Postgraduate Diploma in Environmental Engineering	Coursework and Report	Evening	12 months	3,050,000	4,020
3.	Postgraduate Diploma in Electrical Power Engineering	Coursework and Report	Evening	12 months	3,050,000	4,020
4.	Postgraduate Diploma in Mechanical Engineering (PGD-ME) with specialisation in ▪ Production Engineering ▪ Energy Engineering	Coursework and Report	Evening	12 months	3,050,000	4,020
5.	Postgraduate Diploma in Engineering Management (PGD-EM)	Coursework and Report	Evening	12 months	3,050,000	4,020

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (USD)
6.	Postgraduate Diploma in Civil Engineering (PGD Eng) with specialisation in: ▪ Water Resources Engineering; ▪ Structural Engineering; ▪ Transportation Engineering	Coursework and Report	Evening	12 months	3,050,000	4,020
7.	Master of Science in Integrated Environmental Management (MSc IEM) Offered jointly with the College of Natural and Applied Sciences (CoNAS)	Coursework and Dissertation	Full-time	18 Months	4,781,500	6,030
8.	Master of Science in Chemical and Process Engineering	Thesis	Full-time	24 months	6,375,000	8,040
9.	Master of Science in Chemical and Process Engineering	Coursework and Dissertation	Full-time	18 Months	4,781,500	6,030
10.	Master of Science in Power Electronics and Electrical Drives, MSc (PE & ED)	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
11.	Master of Science in Power Systems and High Voltages, MSc (PS & HV)	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
12.	Master of Science in Electrical Engineering	Thesis	Full-time	24 months	6,375,000	8,040
13.	Master of Science in Production Engineering	Thesis	Full-time	24 months	6,375,000	8,040

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (USD)
14.	Master of Science in Production Engineering, (MSc PE)	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
15.	Master of Science in Energy Engineering	Thesis	Full-time	24 months	6,375,000	8,040
16.	Master of Science in Energy Engineering, (MSc EN)	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
17.	Master of Science in Renewable Energy	Thesis	Full-time	24 months	6,375,000	8,040
18.	Master of Science in Renewable Energy, (MSc RE)	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
19.	Master of Engineering Management, (MEM) with specialisation in ▪ Information Communication Technology Management (ICTM) ▪ Project Management (PM)	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
20.	Master of Engineering Management, (MEM) with specialisation in ▪ Project Management and ICTM for evening programme ▪ Project Management for Online programme	Coursework and Dissertation	Evening	24 months	6,375,000	6,030

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (USD)
21.	Master of Engineering Management, (MEM) with specialisation in Techno-Entrepreneurship	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
22.	Master of Science in Oil and Gas Technogy	Thesis	Full-time	24 months	6,375,000	8,040
23.	Master of Science in Oil and Gas Technology	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
24.	Master of Science in Structural Engineering	Thesis	Full-time	24 months	6,375,000	8,040
25.	Master of Science in Structural Engineering, (MSc STE)	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
26.	Master of Science in Highway Engineering, (MSc HE)	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
27.	Master of Science in Water Resources Engineering	Thesis	Full-time	24 months	6,375,000	8,040
28.	Master of Science in Water Resources Engineering, (MSc WRE)	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
29.	Master of Integrated Water Resources Management	Thesis	Full-time	24 months	6,375,000	8,040
30.	Master of Integrated Water Resources Management, (MIWRM)	Coursework and Dissertation	Full-time	18 months (starts in March)	4,781,500	6,030
31.	Master of Integrated	Coursework and	Full-time	18 months (starts in	4,781,500	6,030

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (USD)
	Sanitation Management, (MISM)	Dissertation		March)		
32.	Master of Science in Integrated Sanitation Management	Thesis	Full-time	24 months	6,375,000	8,040
33.	Doctor of Philosophy (PhD) in Chemical Engineering	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year
34.	Doctor of Philosophy (PhD) in Electrical Engineering	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year
35.	Doctor of Philosophy (PhD) in Renewable Energy	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year
36.	Doctor of Philosophy (PhD) in Mechanical Engineering	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year
37.	Doctor of Philosophy (PhD) in Construction Engineering	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year
38.	Doctor of Philosophy (PhD) in Structural Engineering	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year
39.	Doctor of Philosophy (PhD) in Transportation Engineering	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year
40.	Doctor of Philosophy (PhD) in Geotechnical Engineering	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year
41.	Doctor of Philosophy (PhD) in Integrated Sanitation Management	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (USD)
42.	Doctor of Philosophy (PhD) in Water Resources Engineering	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year
43.	Doctor of Philosophy (PhD) in Hydrology and Geochemical Modelling	Coursework and Dissertation	Full-time	36 months	3,387,500 per year	4,020 per year

In addition to the general university regulations governing the award of higher degrees, the following regulations shall apply.

MASTER OF SCIENCE IN ENGINEERING BY THESIS
CoET offers a Master of Science in Engineering by research and thesis in all major fields of specialisation.

1. Entry Requirements
The minimum qualification for admission to the programme is an Upper Second Class of Bachelor of Science in respective engineering field from the University of Dar es Salaam or another recognised institution.

2. Programme Structure
i. The registration period for the programme shall normally be 24 months for full-time students up to 48 months for part-time students (This period includes the six months period given for registration).
ii. Registration for the programme shall be at any time during the academic year. The registration shall be renewed annually.
iii. Upon registration with the help of the Department's Supervisory Committee, the candidate will submit a two-page statement of the intended research topic to the Departmental Postgraduate Committee. On the basis of the statement, the department shall assign supervisor(s) to the candidate. Studentship commences with immediate effect.
iv. Within four months of the assignment of supervisor, the candidate shall present a comprehensive substantive proposal in a departmental seminar (Department's Postgraduate Committee Members should attend).
v. The proposal shall not exceed 20 pages in length, typed in at least 12-point font and double-spaced line.
vi. Each member of the Department's Postgraduate Committee will be given a copy of the proposal for scrutiny at least seven days before the date of the seminar presentation.
vii. Once the Department's Postgraduate Committee finds the proposal satisfactory, it will approve it and notify the College PSRP Committee and the Senate Posgraduate Studies Committee (SPSC).
viii. Maximum period for the registration process is six months. Candidates will pay TZS 50,000 for each month extension beyond the six months.
ix. Students may, on the recommendation of the relevant College Board, be required to do one or more formal courses appropriate to their fields of study. In addition, students are advised to undertake short courses in Communication skills, research methods and computer applications based on research topic.

x. If, for any sound reason, a candidate fails to continue with studies, they may apply to Senate for freezing of the registration through their Department, College Postgraduate Studies & Research (PGS&R) Committee and SGS Board. The maximum period for such freezing of registration shall be two years.

xi. A candidate, for valid reasons, may apply for extension of the registration period. Extensions shall not exceed six and twelve months for full-time and part-time students respectively.

xii. A Candidate who fails to complete studies within specified period shall be discontinued, unless the Senate has approved application for extension.

DOCTOR OF PHILOSOPHY (PhD) IN ENGINEERING

CoET offers Doctor of Philosophy degree in all major fields of Engineering specialisation.

1. Entry Requirements

i. For admission to the PhD degree programme in CoET, a candidate must hold a relevant Masters Degree from the University of Dar es Salaam or any other recognised institution.

ii. Candidates who possess a relevant First Class in Bachelor of Science may be considered for PhD registration after initially registering for the Masters Degree (Thesis), and demonstrating outstanding performance after doing postgraduate training for at least one year, upon recommendations of the College PGS&R Committee and authorisation by the Senate.

2. Programme Structure

i. The programme involves a minimum of three years for full-time candidates, or five years for part-time registered candidates.

ii. The procedure for obtaining full registration will be similar to that required for MSc (Thesis) in Engineering Programmes stipulated in Sections 2, (i) to (v) above, with the following changes: the proposal shall not exceed 25 pages; and (in section 2, (viii) above) once it finds the proposal satisfactory, the College PPGS&R Committee will approve the proposal and notify the SPSC.

iii. The general University regulations for postgraduate studies and specifically for PhD studies govern the conduct of studies in the College.

3. Sandwich Programmes

CoET offers PhD training by the sandwich mode. This is mainly in areas where the facilities and research infrastructure in CoET are deemed inadequate to provide quality research. The award of PhD training under the sandwich mode is also offered in line with the frameworks of collaborative research programmes with other universities. The following are the basic guidelines for conducting PhD under this mode.

i. Entry requirements and registration procedure are the same as stipulated in section 1, (i) and (ii).

ii. The procedure for obtaining full registration will be similar to that required for MSc (Thesis) as stipulated in sections 2, (ii) to (xiii) above with the following changes: the proposal shall not exceed 25 pages; and (in section 2, (viii) above) once it finds the proposal satisfactory, the college PSRP will approve the proposal and notify the SPSC.

iii. The candidate must provide evidence of financial support to enable him/her carry out the external part of the study.

iv. The candidate must spend at least 24 months at the University of Dar es Salaam for the whole period of study.

v. Candidates who register in other universities, but they wish to do part of their study at the University of Dar es Salaam, may do so and will be admitted under the status of "short term students" and the University guidelines for this form of study will apply.

vi. The University of Dar es Salaam Guidelines and Regulations for postgraduate studies apply for all matters related to the conduct of research, submission of thesis, examinations and award of the Doctor of Philosophy degree under the sandwich programme.

MASTER OF SCIENCE IN ENGINEERING BY COURSEWORK AND DISSERTATION
CoET offers master's degree programmes in all present specialisations by coursework and dissertation.

1. Entry Requirements

i. The minimum qualification for admission to any of the master's degree programmes offered by CoET is a lower second-class Bachelor of Science in a corresponding field of Engineering from the University of Dar es Salaam (UDSM) or any other recognised higher learning institution.

ii. A corresponding postgraduate diploma offered by CoET, UDSM or any other recognised institution may also suffice for consideration for admission to any of the Master in Engineering programmes.

iii. For admission to the Master of Engineering Management Programmes, holders of lower second class undergraduate degree in Hydrology, Hydrogeology, Transport Management, Architecture, Town Planning, Land Surveying, Quantity Surveying (Building Economics), and Information Technology, Computer Studies, Electronics Science, Statistics and other applied sciences may also be considered.

iv. For admission to the Master of Integrated Environmental Management and Integrated Water Resources Management programmes, holders of lower second-class undergraduate degree in any engineering or science discipline will be considered.

v. The Admission Board will also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval.

2. Structure of Programmes

i. The programmes shall comprise coursework and dissertation. Full-time students shall complete their coursework within the first two semesters of enrolment.

ii. Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment.

iii. Full-time students enrolled for programmes with coursework and dissertation shall develop their full proposal during second semester. The departmental PGS & R committee should ensure that the research proposals are approved in the first month of dissertation period.

iv. Part-time students enrolled for programmes with coursework and dissertation shall develop their full proposal after 12 months of study. The departmental PGS & R committee should ensure that the research proposals are approved before 18 months.

v. The students are allowed to develop their research proposal at earlier stages of their study as guided by the departmental PGS & R committee.

vi. The minimum time for the dissertation phase shall be six months from the time of completion of coursework.

vii. The credit system shall be used to gauge the workload involved in a programme.

viii. One credit is equal to learning outcomes achievable in 10 hours of learning time determined on the basis of a learner with an average learning speed.

ix. A minimum of 120 credits shall be completed to satisfy the coursework requirement before proceeding to the dissertation phase, unless stated otherwise. A dissertation shall have 60 credits

x. A department offering a programme shall specify the field of specialisation and the minimum coursework credits from core and elective courses for a particular specialised field. Certain core courses may be compulsory.

xi. In addition, a candidate may be required to take certain undergraduate courses that are pre-requisites for some postgraduate courses. These, however, will not be considered in the final degree evaluation.

1. Assessment

i. Each course module shall be offered and assessed in the same semester and a grade awarded.

ii. A department offering a master's programme shall specify the field of specialisation and the minimum coursework credits from core and elective courses for a particular specialised field.

iii. With the approval of the respective CoET College Board, coursework completed in postgraduate studies at other universities may contribute to the coursework requirements for the MSc degree. The equivalent weighting of this coursework will be determined by the respective CoET College Board in accordance with the Univeristy Qualification Frameowrk set by the Tanzania Comission for Univeristiers (TCU).

iv.   The average grade for all postgraduate courses must be at least "B".
v.   A candidate whose GPA is below 2.7 shall be discontinued from the programme.
vi.   A candidate whose overall GPA is 2.7 or above, shall be allowed to do supplementary examinations in the failed courses.
vii.   The maximum grade that can be attained from a supplementary examination shall be "B".
viii.   A candidate who fails in more than one supplementary examination shall be discontinued from the programme.
ix.   A candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.
x.   A candidate who repeats a course and fails in the first sitting examination shall not be allowed to sit for a supplementary examination, and shall be discontinued from the programme.
xi.   Final examination shall be held immediately upon completing a course. The weighting of this final examination in determining the grade for the course shall be the University Examination (60%) and Continuous Assessment (40%). The form of assessment shall be specified by respective instructors at the beginning of the course.
xii.   For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal.
xiii.   The Departmental Postgraduate Studies Coordinator must file the proposed names of the members of the panel to evaluate the candidate's research proposal with the Postgraduate Studies Committee one month before the dissertation phase begins.
xiv.   The Departmental Postgraduate Committee shall form a panel of three members to evaluate the candidate's research proposal.
xv.   Each candidate shall give an oral presentation of the proposed research topic to a three-member panel in the first month of the dissertation study. The panel's approval of the research proposal is required before the student is allowed to proceed with their dissertation work. The panel shall monitor the candidate's research progress.
xvi.   University guidelines on the preparation of dissertations shall apply.

POSTGRADUATE DIPLOMA
Entry Requirements
An advanced diploma or equivalent in engineering in the relevant field from a recognised college or a pass degree in Engineering in the relevant field from a recognised university.

DEPARTMENT OF STRUCTURAL AND CONSTRUCTION ENGINEERING
The Department of Structural and Construction Engineering was established in 2001 to provide studies in areas of Structural Engineering, and Construction Management and Technology. This department offers postgraduate programmes leading to the award of a Postgraduate Diploma in Civil Engineering with specialisation in Structural Engineering, Master of Science in Structural Engineering and Doctor of Philosophy PhD.

POSTGRADUATE DIPLOMA IN CIVIL ENGINEERING WITH SPECIALISATION IN STRUCTURAL ENGINEERING
1. Introduction
The postgraduate diploma programme in Civil Engineering with specialisation in Structural Engineering consists of a programme of study involving the completion of a total of at least 120 credits. Candidates must complete 64 compulsory core credits including the project in the general area of Civil Engineering and then select a specialisation involving the completion of at least 56 credits in Structural Engineering.

2. Objective of the Programme
The specific objectives of the postgraduate diploma programme in Civil Engineering are to:
i.   provide graduates with relevant modern knowledge in their field of specialisation i.e. Structural Engineering to meet the job market requirements; and
ii.   give candidates additional qualifications so that they can manage to join relevant master's programmes at the University of Dar es Salaam or indeed any other university.

List of Courses for Postgraduate Diploma in Civil Egineering - Structural Engineering Specialisation

Semester I			Semester II		
Core Courses			Core Courses		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
SD 321	Theory of Statically Indeterminate Structures	12	SD 599	Project	16
TM 321	Project Appraisal and Planning Techniques	12	WR 603	Hydraulics and Open Channel Flow	12
TR 685	Geotechnical Engineering	12			
Elective Courses (Select at least 24 Credits)			Elective Courses (Select at least 32 credits)		
TM 420	Management of Construction Projects	12	SD 662	Advanced Structural Analysis	12
TR 331	Highway Materials	12	SD 360	Design of Steel Structures	8
SD 341	Design of Reinforced Concrete Structures	8	SD 350	Design of Timber Structures	8
SD 470	Design of Bridges	8	SD 442	Intermediate Design of Concrete Structures	8
SD 421	Dynamics of Structures	8	SD 443	Prestressed Concrete Design	8

MASTER OF SCIENCE IN STRUCTURAL ENGINEERING

List of Courses for the Master of Science in Structural Engineering

Semester I			Semester II		
Core Courses			Core Courses		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
SD 662	Advanced Structural Analysis	12	SD 666	Stability of Structures	12
SD 663	Theory of Plates and Shells	12	SD 674	Advanced Concrete Technology	12
SD 664	Finite Elements Method	12	SD 675	Design of Tall Buildings	12
SD 665	Structural Dynamics	12	SD 677	Advanced Bridge Engineering	12
Select at least two elective courses					

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
Compulsory Courses for Students in the Concrete Stream/Elective Courses for students in the Steel Stream					
SD 672	Advanced Design of Concrete Structures	12	SD 673	Advanced Prestressed Concrete	12
Compulsory Courses for Students in the Steel Stream/Elective Courses for students in the Concrete Stream					
SD 671	Advanced Design of Steel Structures	12	SD 669	Plasticity Theory	12
Elective Courses for all students					
SD 680	Advanced Foundation Engineering	12	SD 676	Advanced Design of Timber Structures	12
Semester III					
SD 699	Dissertation	60			

DEPARTMENT OF TRANSPORTATION AND GEO-TECHNICAL ENGINEERING

The Department of Transportation and Geo-technical Engineering was established in 2001 to provide studies in areas of Foundation Engineering, Transportation Engineering, Highway Engineering, Soil Mechanics and Geomatics. This department offers postgraduate programmes leading to the award of a Postgraduate Diploma in Civil Engineering with specialisation in Transportation Engineering; Master of Science in Highway Engineering MSc(HE); Master of Science in Transportation Engineering (by Thesis); and Doctor of Philosophy (PhD) (by Thesis).

POSTGRADUATE DIPLOMA IN CIVIL ENGINEERING WITH SPECIALISATION IN TRANSPORTATION ENGINEERING

1. Introduction
The postgraduate diploma programme in Civil Engineering with specialisation in Transportation engineering consists of a programme of study involving the completion of a total of at least 120 credits. Candidates must complete 84 compulsory core credits including project in the general area of Civil Engineering and then select a specialisation involving the completion of at least 36 credits in Transportation Engineering.

2. Objectives of the Programme
The specific objectives of the postgraduate diploma programme in Civil Engineering are to:
i.   Provide graduates with relevant modern knowledge in their field of specialisation Transportation Engineering to meet the job market requirements; and
ii.   Give to the candidates additional qualifications so that they can manage to join relevant master's programmes at the University of Dar es Salaam or indeed any other university.

3. Entry Requirements
The candidate should have an advanced diploma or equivalent in Engineering in the relevant field from a recognised college or a pass degree in Engineering in the relevant field from a recognised university.

4. List of Courses

	Semester I			Semester II	
	Core Courses			*Core Courses*	
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
SD 321	Theory of Statically Indeterminate Structures	12	TR 599	Project	16
TM 321	Project Appraisal and Planning Techniques	12			
TR 331	Highway Materials	12			
TR 635	Geotechnical Engineering	12			
Elective Courses (Select at least 12 Credits)			*Elective Courses (Select at least 44 Credits)*		
TM 420	Management of Construction Projects	12	TR 310	Traffic Engineering and Management	12
TR 320	Highway Geometric Design	8	TR 631	Highway Planning and Economics	12
MG 602	Statistics and Research Methods	12	TR 636	Highway Management Systems	12
TM 604	Construction Law and Contract Management	12	TR 332	Pavement Analysis and Design	12
			TR 441	Labour Based Road Engi neering	12
			TR 442	Transportation Economics	12

MASTER OF SCIENCE IN HIGHWAY ENGINEERING

1. Introduction

The Highway Engineering programme was launched in the 1994/95 academic year as an integral part of the Integrated Road Project IRP. It was a joint concern of the University of Dar es Salaam, University of Birmingham and the Ministry of Works. Upon completion of the Integrated Road Project, the University of Dar es Salaam assumed full responsibility of running the programme. The highway Engineering programme consists of 180 credits. During the coursework, candidates must complete 108 credits of the core course modules and 12 credits of the elective courses. Upon successful completion of the coursework, candidates must complete 60 credits of dissertation.

2. Objectives of the Programme

The MSc in Highway Engineering programme aims to equip engineers in middle management positions with up-to-date knowledge of procedures, materials and technology which can enable them to efficiently manage the trunk and rural roads network. The programme is also aimed at providing a curriculum that covers techniques, which are appropriate for the local conditions in Tanzania as well as those of neighboring countries. This is especially important for engineers in private practice who are involved in planning, designing and supervising highway projects.

3. List of Courses

	Semester I			Semester II	
	Core Courses			*Core Courses*	
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
CS 680	Computer Programming	12	TR 631	Highway Planning and Economics	12
MG 602	Statistics and Research Methods	12	TR 632	Highway Design and Traffic Engineering	12
TR 633	Pavement Design and	12	TR 634	Highway Materials	12

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
	Drainage				
TR 635	Geo-technical Engineering	12	TR 636	Highway Management Systems	12
EM 601	Mathematical Analysis	12			
Elective Courses			*Elective Courses (Select at least 12 credits)*		
No elective courses					
			MG 623	Project Management	12
			EM 602	Numerical Analysis	12
Semester III					
TR 699	Dissertation	60			

DEPARTMENT OF WATER RESOURCES ENGINEERING

The Department of Water Resources Engineering (WRED) was established in December 2001. The department is located at the Block B and Block C of the College of Engineering and Technology. The Staff of the WRED are engaged in: providing postgraduate level education leading to a Postgraduate Diploma in Civil Engineering with specialisation in Water Resources Engineering (PGD WRE);, Masters Science on Water Resources Engineering (Msc WRE) MSc, and; Master in Integrated Water Resources Management (MIWRM); Master in Integrated Sanitation Management (MISM); PhD degrees in Water Resources Engineering (PhD WRE); PhD in Integrated Sanitation Management (PhD MISM) and PhD in Hydrology and Geochemical Modelling (PhD HGM). The department and is Master in Integrated Water Resources Management (MIWRM); participating in collaborative research and developing individual research projects; providing advanced level training of short duration in specialised areas of Water Resources engineering; providing consultancy service through the Bureau of Industrial Cooperation (BICO) of the College of Engineering and Technology; and participating in research collaboration and staff exchange with various universities, research organisations and water authorities within and outside Sub-Saharan Africa.

The department hosts a well-developed international postgraduate programmes for students from all countries of Africa under the auspices of ANSTI and WATERNET. The trainees can choose various streams of specialisation such as Engineering Hydrology, and Environmental Engineering, Sanitation Management and Water Resources Management. It may be noted that the Environmental Engineering in the current context refers to water-related problems of the environment. The Department also offers postgraduate studies that lead to PhD degrees.

POSTGRADUATE DIPLOMA IN CIVIL ENGINEERING WITH SPECIALISATION IN WATER RESOURCES ENGINEERING

1. Introduction

The postgraduate diploma programme in Civil Engineering with specialisation in water resources engineering consists of a programme of study involving the completion of a total of at least 120 credits. Candidates must complete compulsory 56 credits including a project in the general area of Civil Engineering and then select a specialisation involving the completion of at least 64 credits in Water Resources Engineering.

2. Objectives of the Programme

The specific objectives of the postgraduate diploma programme in Civil Engineering are to:
i.   provide graduates with relevant modern knowledge in their field of specialisation in Water Resources Engineering to meet the job market requirements; and
ii.   give the candidates additional qualifications so that they can manage to join relevant master's programmes at the University of Dar es Salaam or indeed any other university.

3. Admission Requirements

Admission to the programme is in accordance with the University of Dar es Salaam general minimum entry requirements for postgraduate degree programmes. Specifically, admission to the Postgraduate

Diploma in Civil Engineering with specialisation in Water Resources Engineering requires an advanced diploma or equivalent in Engineering in the relevant field from a recognised college or a pass degree in engineering in the relevant field from a recognised university.

4. Programme Structure

The programme runs afull time basis for a period of one year (two semesters). The Programme requires a student to complete a minimum of 132 credits of coursework, of which, 76 credits are prescribed as core courses and the rest are accumulated from elective courses based on student interests, The programme comprises of core courses for both streams/ specializsations (76 credits) and minimum elective courses (56 credits). The coursework is offered in both semesters. During the second semester the student also conduct a project work on area of intrest under supervision of at least two staff members with academic interests and qualification in the proposed project scope.

5. List of Courses for PGD-WRE (Postgraduate Diploma in Civil Engineering - Water Resources Engineering Specialisation)

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
SD 321	Theory of Statistically Indeterminate Structures	12	WR 599	Project	16
TM 321	Project Appraisal and Planning Techniques	12			
TR 331	Highway Materials	12			
TR 635	Geotechnical Engineering	12			
Elective Courses (Select at least 12 credits)			*Elective Courses (Select at least 44 Credits)*		
WR 342	Waste Water Engineering	12	WR 325	Irrigation Engineering	8
WR 603	Hydraulics and Open Channel Flow	12	WR 323	Applied Hydrology	8
WR 322 (WR 410)	Hydraulics Structures and Machinery	8	WR 604	Hydrological Processes	12
			WR 607	Groundwater Hydraulics	12
			WR 443 (WR 442)	Introduction to Water Chemistry and Micro-biology	12
			WR 446 (WR 460)	Management of Solids and Hazardous Wastes	12

6. Programme Evaluation and Examination

The assessment consist of the coursework part consist of continuous assessment carries 40% and final examination 60%. To pass the course examination a student has to score a minimum of B. The Continous assessment must include quiz, homeworks and problem based assigments. The countinous assessment must follow the teaching schedule.

MASTER OF SCIENCE IN WATER RESOURCES ENGINEERING

1. Introduction

The Water Resources Engineering programme is the most well established postgraduate programme in the faculty, and has been in operation for the past fourteen years. The programme was initiated and sponsored through the African Network of Scientific and Technological Institutions (ANSTI), and therefore drew candidates from the whole continent of Africa.

The students in the MSc in Water Resources Engineering programme can choose to specialise or emphasise on either Engineering Hydrology, or Environmental Engineering or Water Management. The Environmental Engineering in this context refers only to water related problems of the environment..

2. Objectives of the Programme

The major objective of the MSc in Water Resources Engineering programme is to provide advanced training in Water Resources Engineering with emphasis on the current state of the art and technology with a particular reference to the developing countries of the Sub-Saharan Africa.

3. Admission Requirements

Admission to the programme is in accordance with the University of Dar es Salaam general minimum entry requirements for master's programmes. Specifically, the admission to the degree of Master of Science in Water Resources Engineering requires holders of a lower second-class bachelor's degree in a corresponding field of Engineering (e.g. Hydrology, Civil Engineering, Hydrogeology, Meteorology, Agricultural Engineering or Water Resources Engineering) offered by CoET, UDSM or any recognised institution or a corresponding postgraduate diploma offered by CoET, UDSM or any recognised institution. Candidates for whom English is not their study language at undergraduate level have to prove their English proficiency.

4. Courses

The courses are indicated as core to all students or respective specialisations and elective courses. Students can opt to substitute the elective courses specified in the streams as long as the course has the same number of credits and is being offered in the academic year. This is set to meet the minimum credits (180 credits) for the Masters programme. However, beyond the minimum credits for the programme, students can further opt to take additional elective courses with any number of credits.

5. Programme Structure

The programme runs a full time basis for a period of one and half year (18 months). The MSc programme involves the completion of a total of at least 180 credits. Candidates specialising in Environmental Engineering must complete 152 credits including project (dissertation) and at least 28 credits in elective courses, while those specialising in Hydrology must complete 160 credits including project (dissertation) and at least 20 credits in elective courses. Also, candidates specialising in Water Management must complete 156 compulsory core credits including dissertation and at least 24 credits in elective courses. The dissertation constitutes one third (1/3) of the total credits for the MSc programme.

6. List of Courses for MSc-WRE

The courses offered are for three categories of specialisation
1. Engineering Hydrology
2. Envirimental Engineering
3. Water Resources Management

List of Courses for the Master of Science in Water Resources Engineering – Engineering Hydrology Stream

Semester I			Semester II		
Core Courses			Core Courses		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
WR 601	Computations in Water Resources Engineering	12	EM 602	Numerical Analysis	12
MG 602	Statistics and Research Methods	12	WR 602	Applied Engineering Hydrology	12
WR 603	Open Channel Hydraulics	8	WR 607	Groundwater Hydraulics	12
WR 605	Advanced Hydrological Frequency Analysis	4	WR 604	Hydrological Processes	12
EM 601	Mathematical Analysis	12	WR 606	Advanced Analytical Hydrology	4

Elective Courses (Select 12 Credits)			Elective Courses (Select 12 Credits)		
WR 608	Hydrometry	4	WR 614	Water Resources Management	8
WR 621	Water Quality Management	8	WR 616	Groundwater Modelling	4
			WR 613	Water-well Technology	4
Semester III					
WR 699	Dissertation				60

List of Courses for the Master of Science in Water Resources Engineering - Environmental Engineering Stream

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
WR 601	Computations in Water Resources Engineering	12	EM 602	Numerical Analysis	12
MG 602	Statistics and Research Methods	12	WR 602	Applied Engineering Hydrology	12
WR 609	Unit Operations in Water Treatment	8	WR 607	Groundwater Hydraulics	12
WR 610	Water Quality Modelling	8	WR 617	Unit Operations in Wastewater Treatment	12
			WR 622	Wastewater Collection Systems	4
Elective Courses (Selecta at least 24 Credits)			*Elective Courses (Select at least 4 Credits)*		
WR 615	Environmental Management	8	WR 614	Water Resources Management	8
WR 620	Environmental and Water Resources System Analysis	8	WR 613	Water-well Technology	4
WR 623	Water, Sanitation and Diseases	8			
Semester III					
WR 699	Dissertation				60

List of Courses for the Master of Science in Water Resources Engineering – Water Management Stream

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
WR 601	Computations in Water Resources Engineering	12	EM 602	Numerical Analysis	12
MG 602	Statistics and Research Methods	12	WR 602	Applied Engineering Hydrology	12
EM 601	Mathematical Analysis	12	WR 607	Groundwater Hydraulics	12
WR 626	Integrated Land and Water Management	8	WR 625	Hydrosystems Simulations Models	8
			WR 627	Legal & Administrative Aspects of Water	8

Semester I			Semester II		
Core Courses			**Core Courses**		
				Management	
Elective Courses (Select at least 16 Credits)			*Elective Courses (Select at least 12 Credits)*		
WR 619	Water Pollution Prevention and Control	8	WR 612	Groundwater Investigations	4
WR 621	Water Quality Management	8	WR 614	Water Resources Management	8
			WR 613	Water-well Technology	4
Semester III					
WR 699	Dissertation				60

7. Programme Evaluation and Examination

The assessment consist of the coursework part consist of continuous assessment carries 40% amd final examination 60%. To pass the course examination a student has to score a minimum of B. The continous assessment must include quiz, homeworks, problem based assigments and field work reports. The countinous assessment must follow the teaching schedule.

MASTER OF INTEGRATED WATER RESOURCES MANAGEMENT (MIWRM)

1. Introduction

During admission, students in MIWRM programme can choose to specialise in either Hydrology, Water Resources Management, Water and Land, GIS and Earth Observation, Water and Environment, Water Supply and Sanitation, or Water and Society. The programme runs in collaboration with other universities within the SADC, which offers one of the specialisations. UDSM offers the Hydrology specialisation. Similarly, other universities offer various specialisations as follows: University of Zimbabwe offers specialisation in Water Resources Management; University of Botswana offers specialisation in Water and Land; University of Kwazulu Natal offers specialisation in GIS and Earth Observation; University of The Western Cape offers specialisation in Water and Society; University of Malawi offers specialisation in Water and Environment; and the Polytechnic of Namibia offers specialisation in Water Supply and Sanitation.

2. Objectives of the Programme

The Department of Water Resources Engineering aims at strengthening the overall human and institutional capacity in the water sector in East and Southern Africa to concentrate towards a wise use of the water resources in the region. The wise use can be translated in technical terms as efficient use, in socio-economic terms as equitable use and in environmental terms as ecologically sound use.

The specific objectives of the programme include:
i.   Raising skills and awareness with regard to regional scale IWRM among institutions and people who are active in the field of water resources management;
ii.   Stimulating regional cooperation in the field of education in IWRM; and
iii. Stimulating and strengthen applied research in the area of water resources for the development of the region.

3. Entry Requirements

Admission to the programme is in accordance with the University of Dar es Salaam general minimum entry requirements for Masters Degree programmes. Specifically, the admission to the degree of Master of Integrated Water Resources Management requires holders of a lower second-class bachelor's degree (BA or BScEng) or postgraduate diploma offered by CoET, UDSM or any recognised institution

4. Programme Structure

The programme runs a full time basis for a period of one and half year (18 months). The MIWRM programme involves the completion of a total of at least 204 credits. Candidates specialising in in any specializsation must complete 136 credits including project (dissertation). The Dissertation has 68 credits and must be completed within six months after completion of coursework.

5. List of Courses for MIWRM

The courses offered are for three categories of specialisation
1. Water Resources Management
2. Water and Enviroment
3. Hydrology
4. Water and land
5. GIS and earth observation
6. Water supply and sanitation

List of Courses for the Master in Integrated Water Resources Management - Water Resources Management

Semester I			Semester II		
Core Courses			Core Courses		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
WM 641	Principles of Integrated Water Resources Management	8	WM 670	Integrated Water Resources Management Project	12
WM 642	Principles of Hydrology	8	WM 676	Water Resources Assessment and Monitoring	12
WM 643	Socio-Economics of Water & Environmental Resources	12	WM 654	Groundwater Management	12
WM 644	Principles of Aquatic Ecology	8	WM 675	Water Resources Modelling	12
WM 645	Policies, Laws & Institutions	12	WM 677	Catchment Water Management	12
WM 650	Principles of Water Quality & Environmental Management	8			
WM 658	GIS, Database Management and Analytical Tools	12			
WM 660	Water Resources Analysis & Planning	8			
Semester III					
WM 699	Dissertation				68

List of Courses for the Master in Integrated Water Resources Management – Water and Environment

Semester I			Semester II		
Core Courses			Core Courses		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
WM 641	Principles of Integrated Water Resources Management	8	WM 670	Integrated Water Resources Management Project	12

Course Code	Course Title	Credits	Course Code	Course Title	Credits
WM 642	Principles of Hydrology	8	WM 649	Environmental Management Tools	12
WM 643	Socio-Economics of Water & Environmental Resources	12	WM 651	Environmental Water Management	12
WM 644	Principles of Aquatic Ecology	8	WM 664	Water Quality Management	12
WM 645	Policies, Laws & Institutions	12	WM 673	Management of Aquatic Ecosystems	12
WM 650	Principles of Water Quality & Environmental Management	8			
WM 658	GIS, Database Management and Analytical Tools	12			
WM 660	Water Resources Analysis & Planning	8			
Semester III					
WM 699	Dissertation				68

List of Courses for the Master in Integrated Water Resources Management - Hydrology

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
WM 641	Principles of Integrated Water Resources Management	8	WM 670	Integrated Water Resources Management Project	12
WM 642	Principles of Hydrology	8	WM 652	Hydrogeology	12
WM 643	Socio-Economics of Water & Environmental Resources	12	WM 655	Hydrological Processes	12
WM 644	Principles of Aquatic Ecology	8	WM 657	Hydrological Modelling	12
WM 645	Policies, Laws & Institutions	12	WM 662	River Engineering	12
WM 650	Principles of Water Quality & Environmental Management	8			
WM 658	GIS, Database Management and Analytical Tools	12			
WM 660	Water Resources Analysis & Planning	8			
Semester III					
WM 699	Dissertation				68

List of Courses for the Master in Integrated Water Resources Management - Water and Land

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
WM 641	Principles of Integrated Water Resources Management	8	WM 670	Integrated Water Resources Management Project	12
WM 642	Principles of Hydrology	8	WM 656	Agricultural Water Management	12
WM 643	Socio-Economics of Water & Environmental Resources	12	WM 648	Wetlands and Agriculture	12
WM 644	Principles of Aquatic Ecology	8	WM 674	Agro-Industrial Water Use	12
WM 645	Policies, Laws & Institutions	12	WM 661	Catchment Management	12
WM 650	Principles of Water Quality & Environmental Management	8			
WM 658	GIS, Database Management and Analytical Tools	12			
WM 660	Water Resources Analysis & Planning	8			
Semester III					
WM 699	Dissertation				68

List of Courses for the Master in Integrated Water Resources Management – GIS and Earth Observation

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
WM 641	Principles of Integrated Water Resources Management	8	WM 670	Integrated Water Resources Management Project	12
WM 642	Principles of Hydrology	8	WM 663	Earth Observation for Hydrological Analyses	12
WM 643	Socio-Economics of Water & Environmental Resources	12	WM 659	Advanced Geographic Information System	12
WM 644	Principles of Aquatic Ecology	8	WM 669	Earth Observation Project8	12
WM 645	Policies, Laws & Institutions	12	WM 668	Spatial Analyses for Water Resources Management	12
WM 650	Principles of Water Quality & Environmental Management	8			
WM 658	GIS, Database Management and Analytical Tools	12			
WM 660	Water Resources Analysis & Planning	8			

Semester I			Semester II		
Core Courses			Core Courses		
Semester III					
WM 699	Dissertation				68

List of Courses for the Master in Integrated Water Resources Management – Water Supply and Sanitation

Semester I			Semester II		
Core Courses			Core Courses		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
WM 641	Principles of Integrated Water Resources Management	8	WM 670	Integrated Water Resources Management Project	12
WM 642	Principles of Hydrology	8	WM 665	Wastewater Management	12
WM 643	Socio-Economics of Water & Environmental Resources	12	WM 666	Environmental Water Quality Processes	12
WM 644	Principles of Aquatic Ecology	8	WM 646	Water Supply	12
WM 645	Policies, Laws & Institutions	12	WM 647	Water Utility Management	12
WM 650	Principles of Water Quality & Environmental Management	8			
WM 658	GIS, Database Management and Analytical Tools	12			
WM 660	Water Resources Analysis & Planning	8			
Semester III					
WM 699	Dissertation				68

6. Programme Evaluation and Examination

The assessment consist of the coursework part consist of continuous assessment carries 40% amd final examination 60%. To pass the course examination a student has to score a minimum of B. The continous assessment must include quiz, homeworks, problem based assigments and field work reports. The countinous assessment must follow the teaching schedule.

MASTER OF INTEGRATED SANITATION MANAGEMENT (MISM)

1. Introduction

The Master in Integrated Sanitation Management (MISM) is a unique African training programme in Integrated Sanitation Management developed as part of a regional collaboration to establish an integrated training strategy to address the shortage of trained people in the areas of sanitation management. The collaborating institutions are: Kenyatta University (KU) (Kenya), University of Dar es Salaam (UDSM) (Tanzania), Makerere University (MAK) (Uganda), University of Zambia (UNZA) (Zambia) and University of Siegen (Germany). The programme is sponsored by the European Union (EU) project (EDULINK).

The MISM programme runs on a modular system, each module having 3 units unless stipulated otherwise in the curriculum. Twelve course modules are offered as compulsory and electives. Candidates must complete a minimum of 120 units to satisfy the coursework requirement before proceeding to the dissertation phase, unless stated otherwise. The time for the dissertation phase is six months.

2. Objectives of the Programme

The programme focuses on managers in integrated sanitation and utilisation in the built environment in order to have a sustainable environment that would meet our present needs without comprising the ability of future generations to meet theirs. Therefore, the Department of Water Resources Engineering aims at strengthening the training and research capacity at universities in Eastern and Southern African region to improve water and sanitation governance.

The specific objectives of the programme include:

i.   providing the country and the region with sufficient high-level human power in integrated sanitation management as agents of development and change, thus contributing to the attainment and achieving the MDGs;

ii. conducting research in the interest of suitable exploitation of human waste resources in Tanzania and the region, ultimately leading to innovation of technical products and production processes for the re-use of resources; and

iii. providing expert professional services in the form of consultancy.

3. List of Courses for the Master of Integrated Sanitation Management

Semester I			Semester II		
Core Courses			Core Courses		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
SM 600	Principles of Integrated Sanitation Management	12	SM 605	Sanitation Financing, Entrepreneurship and Business	12
SM 601	Sanitation Technologies	12	SM 606	Emergency Sanitation	12
SM 602	Sanitation Resources Recovery and Reuse	12	SM 607	Decentralised Wastewater Treatment Systems (DEWATS)	12
SM 603	Sanitation and Public Health	12	SM 608	Sanitation Governance	12
SM 604	Field and Laboratory Methods and Techniques	12	SM 609	Behavioural Change and Advocacy in Sanitation	12
SM 614	Application of Geographical Information System in Sanitation Management	12	SM 610	Integrated Sanitation Management Planning	12
Elective Courses			Elective Courses		
SM 611	Research Methods for Sanitation	12	SM 612	Teamwork Skills Development in Sanitation Project Management	12
SM 615	Faecal Sludge Management	12	SM 613	Sanitation Systems and Services	12
Semester III					
SM 699	Dissertation				60

4. Programme Evaluation and Examination

The assessment consist of the coursework part consist of continuous assessment carries 40% amd final examination 60%. To pass the course examination a student has to score a minimum of B. The continous assessment must include quiz, homeworks, problem based assigments and field work reports. The countinous assessment must follow the teaching schedule.

DOCTOR OF PHILOSOPHY (PhD) IN WATER RESOURCES ENGINEERING (BY THESIS)
1. Introduction
The Department of Water Resources Engineering offers PhD in Water Resources Engineering for 36 months to full time registered students. The areas of research are widely related to water issues or problems which required indepth analysis of the problem, use of scientific approach and analysis to solve the problem through informed decision support tools. The three core areas of research includes widely includes:
i.   Hydrology ang Climate Change
ii.   Water Resources Management
iii.   Environmental Engineering

2. Entry Requirements
The pre-requisite formal learning includes, Masters degrees, from any institutions recognised by the University of Dar es Salaam. Applicant must also have done either natural or social sciences in their masters degrees. Students who have studied Masters degree in recommended areas of natural and social sciences including Environmental Engineering, Civil Engineering or Water Resources Engineering with the required passes according to UDSM minimum entry requirements qualify for this programme. All other entry requirements as per the exceptionally first-class undergraduate student with outstanding performance at Masters level studies can also be allowed to register for PhD studies after one year of studer and upon approval by Senate.

3. Programme Structure
The programme involves a three-year full-time candidates. Further guidelines are contained in the UDSM Postgraduate Guidelines, The General University regulations for postgraduate studies governs conduct of all PhD studies in the college.

4. Programme Evaluation and examination
The programme assessment is based on the combination of continuous assessment of reaearch work and final examination of the thesis . The reserch progress assessment criteria is set by the Departmental PGS Committee to effectively guide and monitor student research progress. The assessment should include supervisors contact hours, monthly progress presentations scheduled based on activities, trainings attended, confrance attendance and journal papers published. The completed thesis research for students registered for the PhD programme at the UDSM will be examined. It will involve one or more external examiners and one or more internal examiners appointed by the UDSM, and a defence before a panel. Upon successful completion of the dissertation, the UDSM will award a PhD degree certificate and an academic transcript.

DOCTOR OF PHILOSOPHY (PhD) IN INTEGRATED SANITATION MANAGEMENT (BY THESIS)
The duration of the programme is three years (36 months).

DOCTOR OF PHILOSOPHY (PhD) IN INTEGRATED SANITATION MANAGEMENT (BY COURSEWORK AND DISSERTATION)

Duration of the programme is three years (48 months).

1. Introduction
The general objective of offering a PhD in ISM programme is to foster a new generation of sanitation managers and academics. The main thrust is placed in the multidisciplinary and interdisciplinary understanding, skills and tools to advance the implementation of sustainable sanitation in Tanzania. The specific objectives specifically are:
i.   To strengthen the capacity in sanitation and thus provide the country and the region with sufficient high level, skilled and qualified human power as a means towards achieving sustainable sanitation

ii. To conduct and strengthen the research capacity in sanitation through sustainability science in Tanzania and the region as a whole, ultimately leading to innovation and resublime of emerging issues that may impact sanitation such as climate change, and empowering policy making processes on the basis of informed decisions

iii. To provide expert professional services to the society in sustainable sanitation

2. Entry Requirements

The pre-requisite formal learning includes, Masters degrees, from any institutions recognised by the University of Dar es Salaam. Applicant must also have done either natural or social sciences in their masters degrees. Students who have studied Masters degree in recommended areas of natural and social sciences including Environmental Engineering, Civil Engineering or Water Resources Engineering with the required passes according to UDSM minimum entry requirements qualify for this programme.

3. Programme Structure

The minimum credit required to complete PhD ISM programme is 540 credits. The programme is for 48 months duration offering full time courses in two semesters of an academic year. The minimum credits per semester are 90 credits. There will be six core courses and a minimum of eight elective courses for engineering majors and an equal number of electives, that is eight electives for non- engineering majors. A dissertation for six semesters in the following academic years.

4. List of Courses for PhD in ISM

The courses offered are in two broad categories
i. Integrated sanitation management courses with Engineering majors
ii. Integrated sanitation management courses with Non-Engineering majors

List of Courses for Engineering Majors

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
SM 700	Sanitation systems, life cycles and supply chain thinking	18.0	SM 703	Socio-economic and cultural aspects in wash	18.0
SM 701	Management techniques and technologies for rainbow of wastes	18.0	SM 704	Urban water and sanitation	18.0
SM 702	Policy, legislation and institutional arrangements for sanitation	18.0	SM 705	Research methods	18.0
Elective Courses			*Elective Courses*		
SM 706	Modeling of aquatic and sanitation systems	18.0	SM 709	Biological and natural wastewater treatment: principles, modelling and design	18.0
SM 707	Engineered samitation systems for resource recovery	18.0	SM 710	Faecal sludge management	18.0
SM 708	Technology innovations in sustainable sanitation	18.0	SM 717	Emergency sanitation	18.0
Semester III-Semester VIII					
SM 799	Dissertation				360

List of Courses for Non Engineering Majors

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
SM 700	Sanitation systems, life cycles and supply chain thinking	18.0	SM 703	Socio-economic and cultural aspects in wash	18.0
SM 701	Management techniques and technologies for rainbow of wastes	18.0	SM 704	Urban water and sanitation	18.0
SM 702	Policy, legislation and institutional arrangements for sanitation	18.0	SM 705	Research methods	18.0
Elective Courses			*Elective Courses*		
SM 711	Contemporary issues in sustainable sanitation management	18.0	SM 714	Entrepreneurship and business development in sanitation	18.0
SM 712	Sanitation risk assessment and reduction	18.0	SM 715	Indigenous knowledge in sanitation	18.0
SM 713	Marketing and social change in sanitation	18.0	SM 716	Socio economic implications of emerging sanitation technologies	18.0
Semester III-Semester VIII					
SM 799	Dissertation				360

5. Programme Evaluation and examination

The programme assessment is based on the combination of continuous assessment (coursework) and final examination. The coursework is set to have 50% and the final written examination carries 50%. The coursework is designed to have quiz, problem based assignements, projects, field based practicals. The completed Dissertation research for students registered for the PhD programme at the UDSM will be examined. It will involve one or more external examiners and one or more internal examiners appointed by the UDSM, and a defence before a panel. Upon successful completion of the dissertation, the UDSM will award a PhD degree certificate and an academic transcript.

DOCTOR OF PHILOSOPHY (PhD) IN HYDROLOGY AND GEOCHEMICAL MODELING (BY COURSEWORK AND DISSERTATION)
Duration of the programme is three years (48 months).

1. Introduction

The general objective of offering a PhD in ISM programme is to foster a new generation of sanitation managers and academics. The main thrust is placed in the multi disciplinary and interdisciplinary understanding, skills and tools to advance the implementation of surface water and groundwater management. Undestanding the geochemical interaction between aquifer media and water, natural processes affecting water quality and water treatment options.

The programme envisages producing competent and skilled experts in Hydrology and Geochemical modelling. The main objectives of the programme are:-
i.   To provide the country and the region with sufficient high level engineering human power in hydrological sciences thus contributing to the indigenous development in the water sector
ii. To conduct research in the interest of suitable exploitation of water resources in Tanzania and the region, ultimately leading to innovation and resublime of emerging issues such as impacts of climate change, and empowering politics to make informed decisions

More specifically, the programme aims at:
i. Expanding knowledge and skills in hydrology, hydrometeorology, groundwater and other related fields
ii. Enabling students to develop a high level critical thinking skills required for re searchers conducting high level research.
iii. Enabling graduates to acquire communication and entrepreneurial skills necessary for them to venture into own employment on graduation.

2. Entry Requirements

The admission to the PhD progamme in Hydrology and Geochemical Modelling is in accordance to the University of Dar es Salaam general minimum entry requirements for PhD programmes. Specifically, a candidate for admission to the PhD progamme in Hydrology and Geochemical Modeling programme of the University of Dar es Salaam shall hold a good Masters degree of the University of Dar es Salaam or an equivalent Masters degree from a recognised institution of higher learning in recommended areas of Hydrology, Civil Engineering, Environmental Engineering, Hydrogeology, Meteorology or Water Resources Engineering; or any other qualifications as per university of Dar es salaam regulations.

3. Programme Structure

The minimum credit required to complete PhD ISM programme is 540 credits. The programme is for 48 months duration offering full time courses in two semesters of an academic year. The minimum credits per semester are 90 credits. There will be six core courses and a minimum of eight elective courses for engineering majors and an equal number of electives, that is eight electives for non- engineering majors. A dissertation for six semesters in the following academic years.

4. List of Courses for PhD in ISM

The courses offered are in two broad categories:
i. Integrated sanitation management courses with Engineering majors
ii. Integrated sanitation management courses with Non-Engineering majors

List of courses for Semister Modules

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
WR 702	Hydrological modelling	16	WR 708	Hydrometeorology	16
WR 704	Hydrological processes and field measurements	16	WR 709	Tracer hydrology	16
WR 705	Statistical hydrology	16	WR 711	Research methods in hydrology	12
WM658	Gis, database management and analytical tools	12	WR 712	Geochemical modeling	16
Elective Courses			*Elective Courses*		
WR 710	Water resources management techniques	12	WM 645	Policies, laws and institutions	12
WM 643	Socio-economic aspects of water and environmental resources	12	WM 652	Hydrogeology	12
WR 701	Computer programming for hydrologists	16	WR 706	Advanced gis and earth observations	12
WR 703	Applied hydraulics with software applications	12	WR 707	Groundwater modelling	12
Semester III-Semester VIII					
SM 799	Dissertation				360

5. Programme Evaluation and Examination

The programme assessment is based on the combination of continuous assessment (coursework) and final examination. The coursework is set to have 50% and the final written examination carries 50%. The coursework is designed to have quiz, problem based assignements, projects, field based practicals. The completed Dissertation research for students registered for the PhD programme at the UDSM will be examined. It will involve one or more external examiners and one or more internal examiners appointed by the UDSM, and a defence before a panel. Upon successful completion of the dissertation, the UDSM will award a PhD degree certificate and an academic transcript.

DEPARTMENT OF ELECTRICAL ENGINEERING

The College of Engineering and Technology through the department of Electrical Engineering offers postgraduate programmes leading to the following awards:
i.   Postgraduate Diploma in Electrical Power Engineering
ii.   Master of Science in Power Electronics and Electrical Drives, MSc (PE & ED)
iii.   Master of Science in Power Systems and High Voltages, MSc (PS & HV)
iv.   Master of Science in Electrical Engineering
v.   Doctor of Philosophy (PhD) in Electrical Engineering

POSTGRADUATE DIPLOMA IN ELECTRICAL POWER ENGINEERING

1. Introduction

The postgraduate diploma in Electrical Power Engineering consists of a programme of study involving the completion of a total of at least 120 credits. Candidates must complete 84 compulsory core credits including project in the general area of Electrical Power Engineering and 36 elective credits.

2. Objectives of the Programme

Main Objective

The main objective of the programme is to produce quality specialists of intellectual standard and high caliber capable of managing and operation of electrical power systems and also to meet current and future needs in the field both nationally and internationally.

Specific Objectives

The Postgraduate Diploma in Electrical Power Engineering curriculum has the following specific objectives:
a)   Enabling graduates to apply knowledge of electrical engineering principles.
b)   Enabling graduates to have knowledge in the areas of Electrical Power Engineering.
c)   Equipping students with fundamental and advanced concepts of Electrical Power Engineering with particular emphasis on the application of these concepts to further advance the state of technology and to meet the needs of the industry.
d)   Equipping students with hands-on experience on key modern electrical power systems and computer-based test and measurement equipments.
e)   Equipping students with knowledge to develop appropriate engineering analytical models based on given specifications.
f)   Imparting effective leadership and decision-making skills.
g)   Equipping students with learning and research skills.

3. Entry Requirements

Admission to the programme is in accordance with the University of Dar es Salaam general minimum entry requirements for postgraduate degree programmes. Specifically, for admission to the Postgraduate Diploma in Electrical Power Engineering, holders of a lower second-class bachelor's degree in Computer Engineering, Telecommunication Engineering, Electronics, Mechanical, Chemical, and Electromechanical will be considered if they y have the necessary background in Electrical Engineering fields. Candidates for whom English is not their study language at undergraduate level have to prove their English proficiency.

4. Programme Structure

Coursework and report

5. List of Courses

Course Code	Semester I Core Courses Course Title	Credits	Course Code	Semester II Core Courses Course Title	Credits
DP 311	Electrical Machines I	12	CS 321	Control Systems Engineering I	12
DP 313	Power Electronics I	12	DP 331	Electrical Power Plants	8
			DP 599	Project	40
Elective Courses (Select a minimum of 24 credits)			*Elective Courses (Select a minimum of 12 credits)*		
DP 601	Rotating Machines Analysis	12	MG 632	Entrepreneurship Development	12
DP 607	Mechanical Design of Electrical Machines	8	MG 611	Engineering Finance and Economics	12
DP 620	Power System Analysis	12	MG 632	Entrepreneurship Development	12
DP 681	Network Analysis	8	DP 682	Network Synthesis	8
DP 610	Modelling & Simulation of Power Electronics Circuits	12	MG 612	Business Statistics and Forecasting	12
DP 332	Electrical Power Transmission and Distribution	12			

6. Programme Evaluation and Examinations

i. A course shall be subjected to a final examination at the end of the course.

ii. The final examination shall contribute 60% to the final grade of a course and the continuous assessment shall contribute 40%. The form of the continuous assessment shall be announced by a Course Instructor at the beginning of the course. The minimum pass grade in any course shall be B.

iii. A candidate (full-time or evening) whose overall GPA at the end of semester two is below 2.7 shall be discontinued from the programme.

iv. A candidate (full-time or evening) whose overall GPA at the end of the second semester is or above 2.7 but has failed in one or more courses shall be required to sit for a supplementary examination in the failed courses(s) by the end of July in the respective academic year.

v. A candidate who fails in any subject in a supplementary examination shall be allowed to repeat the failed subject during the semester in which the subject is offered; no candidate shall be allowed to repeat a failed subject twice.

MASTER OF SCIENCE IN POWER ELECTRONICS AND ELECTRICAL DRIVES

1. Introduction

The MSc in Power Electronics and Electrical Drives programme is intended to train students the applications of power electronics technologies in power system control and various electrical drives with the necessary knowledge and skills to design, implement, manage and maintain the electrical systems. The programme consists of 180 credits. During the coursework candidates must complete 60 credits of the core course modules and 60 credits of the elective courses. Upon successful completion of the coursework candidate must complete 60 credits of dissertation.

2. Objective of the Programme

The major Objective of the MSc in Power Electronics and Electrical Drives Programme is to enhance the knowledge of postgraduate engineers in analysis, modelling and simulation of Power Electronics Systems and Electrical Drives obtained at undergraduate level. The final goal of the programme is to enable the students to independently carry out design, analysis, modelind and simulation of Power

Electronics Systems and Electrical Drive Systems and to suggest new concepts related to this field. The students in the MSc in Power Electronics and Electrical Drives Programme are provided to subscribe a range of elective courses in Electrical Engineering field and other specialisations.

3. Entry Requirements

Admission to the programme is in accordance with the University of Dar es Salaam general minimum entry requirements for master's degree programmes. Specifically, the admission to the degree of Master of Sciences in Power Electronics and Electrical Drives requires holders of a lower second-class bachelor's degree (BEng or BSc) in Electrical Engineering or Postgraduate Diploma in Electrical Engineering offered by CoET, UDSM or any recognised institution with basic background in control systems, electrical machine and drives and electrical network analysis.

4. Programme Structure

Coursework and report

5. List of Courses

Semester I			Semester II		
Core Courses			Core Courses		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
CS 680	Computer Programming	12	EM 601	Mathematical Analysis	12
DP 601	Rotating Machines Analysis	12	EM 602	Numerical Analysis	12
DP 602	Power Electronics	12			
Elective Courses (Select a minimum of 24 credits)			Elective Courses (Select a minimum 36 credits)		
CS 662	Control System Analysis and Synthesis	12	DP 683	Foundations of Electrical Systems	12
DP 600	Basic Control Theory and Electronic Control	12	MG 611	Engineering Finance and Economics	12
DP 610	Modelling & Simulation of Power Electronics Circuits	12	MG 632	Entrepreneurship Development	12
DP 681	Network Analysis	12	DP 682	Network Synthesis	12
Semester III					
DP 699	Dissertation	60			

6. Programme Evaluation and Examinations

i.   A course shall be subjected to the final examination at the end of the course.

ii. The final examination shall contribute 60% to the final grade of a course and the continuous assessment shall contribute 40%. The form of the continuous assessment shall be announced by course Instructor at the beginning of the course. The minimum pass grade in any course shall be B.

iii. A candidate (full-time or evening) whose overall GPA at the end of semester two is below 2.7 shall be discontinued from the programme.

iv. A candidate (full-time or evening) whose overall GPA is or above 2.7 but has failed in one or more courses shall be required to sit for a supplementary examination in the failed courses(s) by the end of July in the respective academic year.

v.   A candidate who fails in any subject in a supplementary examination shall be allowed to repeat the failed subject during the semester in which the subject is offered - no candidate shall be allowed to repeat a failed subject twice.

MASTER OF SCIENCE IN POWER SYSTEMS AND HIGH VOLTAGES

1. Introduction

The MSc in Power Systems and High Voltages programme is intended to equip learners with the necessary knowledge and skills to design, implement, manage and maintain Electrical Engineering systems. Furthermore, graduates should be equipped with ability to perform research in the relevant fields of specialisation. Students can register either as full-time or part-time student. The programme consists of 180 credits. During the coursework candidates must complete 60 credits of the core course modules and 60 credits of the elective courses. Upon successful completion of the coursework candidate must complete 60 credits of dissertation.

2. Objective of the Programme

The major objective of the MSc Power Systems and High Voltages Programme is to enhance the knowledge of postgraduate engineers in analysis modelling and simulation of Power Systems and High Voltages obtained at undergraduate level. The final goal of the programme is to enable the students to independently carry out design, analysis, modelling and simulation of Power Systems and High Voltage Systems. The students in the MSc Power Systems and High Voltages Programme are provided to subscribe a range of elective courses in Electrical Engineering field and other specialisations.

3. Entry Requirements

Admission to the programme is in accordance with the University of Dar es Salaam general minimum entry requirements for Masters Degree programmes. Specifically, the admission to the degree of Master of Sciences in Power Systems and High Voltages requires holders of a lower second-class bachelor's degree (BEng or BSc) in Electrical Engineering or Postgraduate Diploma in Electrical Engineering offered by CoET, UDSM or any recognised institution.

4. Programme Structure

Coursework and report

5. List of Courses

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
CS 680	Computer Programming	12	EM 601	Mathematical Analysis	12
DP620	Power System Analysis	12	EM 602	Numerical Analysis	12
DP628	High Voltage Testing Techniques	12			
Elective Courses (Select at least 24 Credits)			*Elective Courses (Select at least 36 Credits)*		
CS 662	Control System Analysis and Synthesis	12	DP 625	Overvoltage, High Voltage Generation and Measurements	12
DP 622	Power System Dynamics and Control	12	MG 611	Engineering Finance and Economics	12
DP 610	Modelling & Simulation of Power Electronics Circuits	12	MG 632	Entrepreneurship Development	12
DP 681	Network Analysis	12	DP 682	Network Synthesis	12
DP 621	Load Dispatch, Tariff and Electricity Pricing	12	DP 626	Insulation Coordination	12

Semester I			Semester II		
Core Courses			*Core Courses*		
MG 611	Engineering Finance and Economics	12	DP 627	Insulation Materials	12
			MG 612	Business Statistics and Forecasting	12
			MG 632	Entrepreneurship Development	12
Semester III					
DP 699	Dissertation				60

6. Programme Evaluation and Examinations

i.   A course shall be subjected to a final examination at the end of the course.
ii.   The final examination shall contribute 60% to the final grade of a course and the continuous assessment shall contribute 40%. The form of the continuous assessment shall be announced by course Instructor at the beginning of the course. The minimum pass grade in any course shall be B.
iii.   A candidate (full-time or evening) whose overall GPA at the end of semester two is below 2.7 shall be discontinued from the programme.

A candidate (full-time or evening) whose overall GPA at the end of the second semester is 2.7 or above but has failed in one or more courses shall be required to sit for a supplementary.

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING (BY THESIS)
1. Entry Requirements
Admission to the programme is in accordance with the University of Dar es Salaam general minimum entry requirements for Masters Degree programmes. Specifically, for admission to the degree of Master of Sciences in Electrical Engineering (by thesis) requires holders of at least an upper second-class (Bachelor) degree (BEng or BSc) in Electrical Engineering.

2. Duration of the Programme
Two years (24 months) on FULL-TIME basis.

DOCTOR OF PHILOSOPHY (PhD) IN ELECTRICAL ENGINEERING (BY THESIS)
Duration of the programme is three years (36 months).

DEPARTMENT OF MECHANICAL AND INDUSTRIAL ENGINEERING
The Department of Mechanical and Industrial Engineering offers postgraduate programmes leading to the following awards:
i.   Postgraduate Diploma in Mechanical Engineering (with options to specialise in either Production Engineering or Energy Engineering)
ii.   Postgraduate Diploma in Engineering Management
iii.   Master of Science in Production Engineering
iv.   Master of Science in Energy Engineering
v.   Master of Science in Renewable Energy
vi.   Master of Engineering Management (Project Management)
vii.   Master of Engineering Management (Information and Communication Technology Management)
viii. Master of Science in Oil and Gas Technology
ix.   Doctor of Philosophy PhD, in various Mechanical, Industrial Engineering and Engineering Management fields.

POSTGRADUATE DIPLOMA IN MECHANICAL ENGINEERING

1. Introduction

The Postgraduate Diploma in Mechanical Engineering consists of a programme of study involving the completion of 120 credits. Candidate must complete 84 credits of compulsory core modules including 12 credits of project in the broad area of mechanical engineering and then specialise in either production engineering or energy engineering by completing the last 36 credits of the electives, which are to be selected from a given list in the areas of specialisations

2. Objectives of the Programme

The specific objectives of the Postgraduate Diploma in Mechanical Engineering are to:

i. upgrade graduates with an advanced diploma in the area of Mechanical Engineering to a level equivalent to or higher than that of a bachelor's degree;

ii. prepare candidates with either a pass degree or advanced diploma in the area of mechanical engineering for advanced training at the master's degree level in relevant mechanical engineering areas; and

iii. provide candidates with up-to-date knowledge on modern manufacturing processes and related technology and management.

3. List of Courses

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
PD 502	Mechanical Power Transmission	12	PD 441-PGD	Manufacturing Systems	12
EN437-PGD	Mechanical Systems Control	12	MG504	Production Management	12
MG502	Foundations of Operations Research	12	PD 599	Production Engineering Project	12
Elective Courses (Select at least 24 Credits)			*Elective Courses (Select at least 12 Credits)*		
PD 623	Computer Integrated Manufacture	12	PD 313	Casting	12
PD 416	Polymer Engineering	12	PD 408	Noise and Vibration Control	12
			PD 431	Automation and Robotics	12
			PD 620	Design Methodology	12
			PD 622	Behaviour of Machine Tools	12

List of Courses

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
PD 502	Mechanical Power Transmission	12	PD 441-PGD	Manufacturing Systems	12

Semester I			Semester II		
Core Courses			*Core Courses*		
EN437-PGD	Mechanical Systems Control	12	MG504	Production Management	12
MG502	Foundations of Operations Research	12	EN 599	Energy Engineering Project	12
Elective Courses (Select at least 24 Credits)			*Elective Courses (Select at least 12 Credits)*		
EN338	Computer Applications in Energy Engineering	12	PD 408	Noise and Vibration Control	12
EN 614	Energy Systems and Environmental Pollution	12	EN 434-PGD	Renewable Energy technologies	12
EN 624	Industrial Fuel and Conversion Processes	12	En339-PGD	Principles of Industrial Energy and Environmental Management	12
			EN 438-PGD	Refrigeration and Air Conditioning	12
			EN 611	Computational Fluid Dynamics	12

POSTGRADUATE DIPLOMA IN ENGINEERING MANAGEMENT

1. Introduction

The Postgraduate Diploma in Engineering Management consists of a completion of a total of 120 credits. Candidates must complete 60 credits of the core course modules including 12 credits of project and any 60 credits to be selected from a list of electives. This programme is also available through online mode.

2. Objectives of the Programme

i. To upgrade graduates with Advanced Diploma in Engineering and its related fields to Engineering Managerial knowledge and skills of a level higher than that normally obtained from an undergraduate engineering degree.

ii. To prepare candidates with either a pass degree or Advanced Diploma in Engineering and its related fields for advanced training in Engineering management at the master's degree level.

3. Structure of the Programme

i. The Programme may be offered on full-time programmes mode, evening programme mode, online programme mode, or modular programme mode (part-time day or evening programmes).

ii. Classes for the evening programmes mode shall, normally, be conducted between 4.00 pm and 8.00 pm. The modular mode shall involve candidates attending one course module at a time up to its completion with intended breaks between modules (part-time).

iii. The programme shall consist of lectures and a project. Where necessary, practicals shall also be offered.

iv. Enrolment to the programmes shall be at the beginning of the first semester of each academic year, for the full-time and evening programmes. The latest date for submitting applications shall be the first week of June for admission in the following October. Enrolment to the modular mode programmes shall be at any time during a semester.

v. Registration for the courses to be taken during the first semester shall be done during the enrolment to the programme at the beginning of the semester. Registration for the courses to be taken during the second semester shall be done at the end of the first semester.

vi. Candidates for the full-time programme mode are expected to complete their programmes within two semesters.

vii. The credit system shall be used to gauge the workload involved. One credi t shall be equivalent to 10 hours of lecture, practical and self study.

viii. A minimum of 120 credits must be completed to satisfy the requirements for the programme. of these, core courses shall consist of not less than 60 credits whereas electives shall be at least 60 credits.

ix. The project shall consist of 12 credits and shall be treated as a core course. In the case of the full-time modes (day or evening), the project shall be executed during the whole of the second semester.

x. Candidates for the evening programme mode are expected to complete their programme within two semesters.

xi. Each course module in a modular mode shall be completed within two weeks, followed by another week of independent study and examination. The number of contact hours per day for a course in a modular mode shall depend on the length of the module, i.e. number of units.

xii. Since the modular mode may demand considerable time of a particular teaching staff to be concentrated in a short duration, the availability of the modular mode shall be subject to availability of the teaching staff.

xiii. Candidates for the modular mode {part-time (day or evening} programmes are expected to complete their programme within three semesters.

xiv. Successful completion of the postgraduate diploma programme means satisfying the pre-requisites for a relevant Masters programme.

4. List of Courses

Semester I		
Core Courses		
Course Code	**Course Title**	**Credits**
MG 501	Application of Microcomputers in Management	12
MG 502	Foundations of Operations Research	12
Elective Courses (Select at least 36 Credits)		
MG 602	Statistics and Research Methods	12
MG 621	Project Appraisal	12
MG 622	Consulting Management	12
Semester II		
Core Courses		
Course Code	**Course Title**	**Credits**
MG 503	Inventory and Logistics Management	12
MG 504	Production Management	12
MG 599	Project	12
Elective Courses (Select atleas 22 Credits)		
MG 601	Organisation and strategic Management	12
MG 603	Principles of Environmental Management	12
MG 611	Engineering Finance and Economics	12

MASTER OF SCIENCE IN PRODUCTION ENGINEERING

1. Introduction

The Masters of Science programme in Production Engineering consists of 180 credits. During the coursework, candidates must complete 96 credits of the core course modules and 24 credits of the elective courses. Upon successful completion of the coursework, the candidate must complete 60 credits of dissertation.

2. Objectives of the Programme

The major objective of the MSc in Production Engineering programme is to provide postgraduate students with relevant and modern knowledge of production and manufacturing technologies.

3. List of Courses

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
PD 623	Computer Integrated manufacture	12	PD 622	Behaviour of Machine Tools	12
PD 625	Advanced Metal Forming	12	PD 620	Design Methodology	12
PD 621	Advanced Metallurgy	12	MG 611	Engineering Finance and Economics	12
EM 601	Mathematical Analysis	12	MG 601	Organisation and Strategic Management	12
Elective Courses (Select at least 12 Credits)			*Elective Courses (Select at least 12 Credits)*		
MG 602	Statistics and Research Methods	12	PD 630	Fracture and fatigue of Metal	12
PD 626	Advanced Engineering Materials	12	PD 632	Casting	12
PD 627	Mechanical Vibrations	12	PD 631	Corrosion and Corrosion Control	12
PD 628	Theory of Elasticity and Plasticity	12	PD 633	Welding	12
PD 629	Advanced Measurement and Control	12	PD 634	Welding Metallurgy	12
MG 632	Entrepreneurship Development	12			
MG 622	Consulting Management	12			
Semester III					
PD 699	Dissertation				60

Also, the department offers MSc and PhD programmes by research and thesis.

MASTER OF SCIENCE IN ENERGY ENGINEERING
1. Introduction
The Master of Science programme in Energy Engineering consists of a total of 180 credits. During the coursework, candidates must complete 72 credits of the core course modules and 48 credits of the elective courses. Upon sucessful completion of the coursework, candidates must complete 60 credits of dissertation.

2. Objectives of the Programme
The major objectives of the Master of Science in Energy Engineering is to impart knowledge and skills to students in order to be able to design and analyse various energy systems, utilise effectively various sources of energy and minimise environmental pollution, and manage energy engineering installation. The graduates should also be able to effectively engage in energy related Research and Development.

3. List of Courses

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
CS 680	Computer Programming	12	EN 613	Industrial Refrigeration and Air Conditioning	12
EM 601	Mathematical Analysis	12			
EN 623	Control of Dynamic Systems	12			
EN 624	Industrial Fuels and Conversion Processes	12			

Semester I			Semester II		
Core Courses			*Core Courses*		
EN 614	Energy Systems and Environmental Pollution	12			
			Elective Courses (Select at least 48 Credits)		
			MG 611	Engineering Finance and Economics	12
			EN 625	Hydroturbines	12
			EN 622	Energy Conversion Systems	12
			EN 621	Renewable Energy Technologies	12
			EN 612	Automotive Engineering	12
			EN 611	Computational Fluid Dynamics	12
			PD 620	Design Methodology	12
Semester III					
EN 699	Dissertation	60			

MASTER OF ENGINEERING MANAGEMENT (PROJECT MANAGEMENT)

1. Introduction

The Masters programme in Engineering Management (MEM) Project Management specialisation consists of 180 credits. Candidates must complete 96 credits of the core course modules and any 24 credits to be chosen from a list of electives. This programme is also available through online mode.

2. Objectives of the Programme

The major objective of the MEM Project Management is to enable candidates to develop their knowledge and analytical skills necessary for effective management of engineering projects.

3. List of Courses

Semester I		
Core Courses		
Course Code	**Course Title**	**Credits**
CS 680	Computer Programming	12
MG 602	Statistics and Research Methods	12
MG 621	Project Appraisal	12
MG 622	Consulting Management	12
Elective Courses (Select at leas12 Credits)		
MG 612	System Thinking and Quality Management	12
MG 631	Fundamentals of Technology Management	12
MG 632	Entrepreneurship Development	12
Semester II		
Core Courses		
Course Code	**Course Title**	**Credits**
MG 601	Organisation and strategic Management	12
MG 603	Principles of Environmental Management	12
MG 623	Project Management	12
MG 624	Contract Management and Administration	12

Elective Courses (Select at least 12 Credits)		
MG 611	Engineering Finance and Economics	12
MG 633	Environmental Business Management	12
MG 635	Selected Topics in Management of Technology	12
MK 600	Marketing Management	12
Semester III		
MG 699	Dissertation	60

MASTER OF ENGINEERING MANAGEMENT (INFORMATION AND COMMUNICATION TECHNOLOGY MANAGEMENT)

1. Introduction

The master's programme in Engineering Management (MEM) Information and Communication Technology Management specialisation consists of a total of 180 credits. Candidates must complete 96 credits of the core course modules and any 24 credits to be chosen from a list of electives.

2. Objectives of the Programme

The major objective of the Master of Engineering Management MEM Industrial and Information Technology Management is to enable candidates to develop their knowledge and analytical skills necessary for effective industrial and Information Technology IT management.

3. List of Courses

Semester I		
Core Courses		
Course Code	**Course Title**	**Credits**
CS 680	Computer Programming	12
MG 602	Statistics and Research Methods	12
MG 614	Database Management Systems	12
Elective Courses (Select at least 24 Credits)		
MG 612	System Thinking and Quality Management	12
MG 615	Computer Simulation of Management Systems	12
MG 622	Consulting Management	12
MG 631	Fundamentals of technology management	12
MG 632	Entrepreneurship Development	12
Semester II		
Core Courses		
Course Code	**Course Title**	**Credits**
MG 601	Organisation and strategic Management	12
MG 603	Principles of Environmental Management	12
MG 611	Engineering Finance and Economics	12
MG 613	Application of AI, ES, and DSS in Management	12
MK 600	Marketing Management	12
Elective Courses (NA)		
Semester III		
MG 699	Dissertation	60

MASTER OF SCIENCE IN RENEWABLE ENERGY

The Master of Science in Renewable Energy programme has been jointly developed as part of a regional collaboration to establish an integrated training strategy to address the shortage of trained people required in the areas of renewable energy. The collaborating institutions are: University of Dar es Salaam (Tanzania), Makerere University (Uganda), University Eduardo Mondlane (Mozambique), University of Addis Ababa (Ethiopia), NTNU (Norway) and the PREA Programme. The programme is hosted and coordinated by the Department of Mechanical and Industrial Engineering.

The master's degree programme focuses on training engineers and scientists in harnessing of energy from renewable energy sources (solar, water, wind and biomass) and utilisation in the built environment in order to have a sustainable environment that would meet our present needs without compromising the ability of future generations to meet theirs. The Master of Science in Renewable Energy degree programme has four (4) specialisations as shown below:

i. Bio-energy, that is designed to qualify students for occupations and careers in area of bio-energy production, fuels process equipment designs, pollution associated risk assessors as well as energy efficiency. The MSc Renewable Energy-Bio-Energy specialisation consists of a total of 180 credits. During the coursework phase, candidates must complete 72 credits of the core course modules and 48 credits of the elective courses. Upon sucessful completion of the coursework, candidates must complete 60 credits of dissertation;

ii. Hydropower deals with areas of integrated water management, land survey, dams and canals construction, hydroelectric power house design and construction, water turbines and control system designs and installation, hydroelectric generators design and installation as well as electricity distribution networks design and monitoring. The MSc Renewable Energy-Hydropower specialisation consists of a total of 180 credits. During the coursework time, candidates must complete 84 credits of the core course modules and 36 credits of the elective courses. Upon sucessful completion of the coursework, candidates must complete 60 credits of dissertation;

iii. Solar and wind energy systems designed to introduce emerging technologies associated with solar and wind energies integrated with management skills. It is designed to qualify students for occupations and careers in solar energy systems design and installation, PV and wind energy systems design and installation, solar energy design in built environment as well as energy management. The MSc Renewable- Energy-solar and wind energy specialisation consists of a total of 180 credits. During the coursework, candidates must complete 72 credits of the core course modules and 48 credits of the elective courses. Upon sucessful completion of the coursework, candidates must complete 60 credits of dissertation; and

iv. Energy efficiency in buildings that is designed in such a way that graduates will be provided with a specialised knowledge in energy efficiency in built environment integrated with management skills. The programme is designed to qualify students for occupations and careers in residential and industrial energy efficiency and management field, building site planning and green buildings design and construction. The MSc Renewable Energy- Energy efficiency in buildings specialisation consists of a total of 180 credits. During the coursework candidates must complete 72 credits of the core course modules and 48 credits of the elective courses. Upon sucessful completion of the coursework, candidates must complete 60 credits of dissertation.

1. Entry Requirements

Admission to the programme is in accordance with the University of Dar es Salaam general minimum entry requirements for Masters Degree programmes. Specifically, for the admission to the degree of Master of Science in Renewable Energy, holders of a lower second-class degree in Mechanical, Chemical, Electrical, Electromechanical and Civil Engineering as well as Hydrology, Hydrogeology, Architecture, Town Planning, Quantity Surveying (Building Economics), and other Applied and Basic Sciences will be considered. Candidates for whom English is not their study language at undergraduate level have to prove their English proficiency.

2. Duration of the Programme

The Masters of Science in Renewable Energy programme lasts for 18 months.

List of Courses for the MSc in Renewable Energy Programme - Bio-Energy Specialisation

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
EN 601	Bioenergy	12	EN 615	Biochemical Conversion Processes	12
EN 616	Thermochemical Conversion Processes	12	EN 629	Plant Design and Modelling	12
EM 601	Mathematical Analysis	12			
MG 602	Statistics and Research Methods	12			
Elective Courses (Select at least one Course)			*Elective Courses (Select at least one Course)*		
MG 632	Entrepreneurship Development	12	EN 617	Optimisation of Energy Systems	12
			EN 618	Energy Policy and Planning	12
			EN 619	Other Forms of Renewable Energy	12
			MG 623	Project Management	12
Semester III					
EN 699	Dissertation				60

List of Courses for the MSc in Renewable Energy Programme - Hydropower Specialisation

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
WR 640	Hydropower	12	DP 671	Hydropower Electrical Equipment	12
WR642	Development of Small Hydropower	12	EN 627	Hydropower Mechanical Equipment	12
EM 601	Mathematical Analysis	12	WR643	Hydraulic Structures in Hydropower	12
MG 602	Statistics and Research Methods	12			
Elective Courses (Select at least 12 Credits)			*Elective Courses (Select at least 24 Credits)*		
MG 632	Entrepreneurship Development	12	EN 617	Optimisation of Energy Systems	12
			EN 618	Energy Policy and Planning	12
			EN 619	Other Forms of Renewable Energy	12
			MG 623	Project Management	12
Semester III					
WR 699	Dissertation				60

List of Courses for MSc in Renewable Energy Programme - Solar and Wind Energy Specialisation

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
EN 602	Solar energy	12	DP 670	Electrical Energy Conversion in PV systems	12
EM 601	Mathematical Analysis	12	EN 628	Solar Thermal Technology	12

MG 602	Statistics and Research Methods	12			
DP 613	Solar Cell Technology	12			
Elective Courses (Select at least 12 Credits)			*Elective Courses (Select at least 36 Credits)*		
MG 632	Entrepreneurship Development	12	EN 617	Optimisation of Energy Systems	12
			EN 618	Energy Policy and Planning	12
			EN 619	Other Forms of Renewable Energy	12
			MG 623	Project Management	12
Semester III					
DP 699	Dissertation				60

List of Courses for MSc in Renewable Energy Programme - Energy Efficiency in Buildings Specialisation

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
EM 601	Mathematical Analysis	12	EN626	Heat Transfer and Thermal Insulation in Buildings	12
MG 602	Statistics and Research Methods	12	SD682	Low Energy Architecture	12
DP 603	Electrical Energy Systems	12	SD 683	Energy, Comfort and Buildings	12
Elective Courses (Select at least 24 Credits)			*Elective Courses (Select at least 24 Credits)*		
MG 632	Entrepreneurship Development	12	EN 617	Optimisation of Energy Systems	12
EN 601	Bio-energy	12	EN 618	Energy Policy and Planning	12
EN 616	Thermo-chemical Conversion Processes	12	EN 619	Other Forms of Renewable Energy	12
			MG 623	Project Management	12
Semester III					
SD 699	Dissertation				60

MASTER OF SCIENCE IN OIL AND GAS TECHNOLOGY

1. Introduction

The Masters of Science programme in Oil and Gas Technology consists of 180 credits. During the coursework, candidates must complete 112 credits of the core course modules and 8 credits of the elective courses. Upon successful completion of the coursework, the candidate must complete 60 credits of dissertation.

2. Objectives of the Programme

The objective of the programme is to provide: masters level study of oil and gas engineering and related issues; skills and knowledge in oil and gas field with ephasisis on subsea production systems, processing equipment, transport pipelines, supply chain and logistics, utilisation in power plants and environmental issues; academic skills appropriate to independent postgraduate studies of oil and gas issues.

List of Courses for the Master of Science in Oil and Gas Engineering Programme

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
IE 602	Statistics and Research Methods	10	ME 611	Computational Fluid Dynamics	12
ME 680	Multiphase Transport	10	ME 688	Pipeline Design, Operation and Maintenance	12
ME 681	Natural Gas Technology	12	ME 683	Gas Turbines and Turbocompressors	10
ME 682	Subsea Production Systems	12	ME 684	Field Development and Operations	10
ME 686	Instrumentation and Metering Systems	12	ME 689	Oil and Gas Supply Chain Management	12
Elective Courses (Select at least One Course)			*Elective Courses (Select at least One Course)*		
ME 687	Corrosion in Oil and Gas Systems	10	ME 685	Petroleum Economics and Financing	10
ME 622	Industrial Fuels and Conversion Processes	10	ME 614	Energy Systems and Environmental Pollution	10
IE 623	Project Management	10	IE 617	Maintenance Management	10
Semester III					
ME 699	Dissertation				60

DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING

The department of Chemical and Process Engineering offers postgraduate programmes leading to the following awards:
i.   Postgraduate Diploma in Chemical and Process Engineering
ii.   Postgraduate Diploma in Environmental Engineering
iii.   Master of Science in Integrated Environmental Management
iv.   Master of Science in Chemical Engineering

MASTER OF SCIENCE IN INTEGRATED ENVIRONMENTAL MANAGEMENT

1. Entry Requirements
To be eligible for admission into this programme, the student should satisfy the general University minimum requirements with the following additional requirements:

i.   Direct Entry Requirement
The candidate should have an undergraduate degree in Engineering, Science or a related field from a recognised institution certified by TCU with at least a lower second-class award (GPA of at least 2.7 out of 5).

ii.   Equivalent Entry Requirement
The candidate should have a postgraduate diploma in a relevant field (same or similar discipline) from a recognised institution certified by TCU with at least an upper second-class award (GPA of at least 3.5 out of 5) AND an advanced diploma in relevant field with at least lower second-class award OR undergraduate degree with at least a pass in related field.

2. Objectives of the Programme
The objectives of the programme are to:
i.   provide masters level study of environmental management and related issues;

ii. provide career and personal development for current and potential professional environmental specialists, as well as for those seeking to develop their general understanding of environmental issues enable candidates to develop skills in environmental management that can be applied in businesses, commerce, government, communities and other areas of normal human life;

iii. enable candidates to develop the academic skills appropriate to independent postgraduate study of environmental issues.

Table 1: Semester Mapping of Core and Elective Course for the Regular Mode

Semester	Stream	Subject Code & Title	Credits	Total Credits
I	Common	EM 603: Environmental Management Systems	12	24
		EM 604: Environmental Conservation	12	
	Core Biological	EM 610: Environmental Microbiology	12	24
		EM 612: Environmental Biotechnology	12	
	Core Engineering	EM 620: Solid Waste Management and Resource Recovery	12	24
		EM 622: Water and Wastewater Treatment: Engineering	12	
	Core Physical/ Earth	EM 631: Water Resources and Soil Quality Management	12	24
		EM 632: Land Degradation and Environmental Geology	12	
	Core Aquatic	EM 640: Aquatic Pollution and Ecotoxicology	12	24
		EM 641: Aquatic Resources and Biodiversity Management	12	
	Elective	Elective 1 (Selected from the electives in Table 2)	12	12
		Total Credits Semester I for All Streams		**60**
II	Common	SC 601: Research Methods	12	36
		EM 606: Pollution Prevention and Control	12	
		EM 605: Environmental Law and Policy	12	
	Core Biological	EM 611: Water and Wastewater Treatment: Chemical and Biological Processes	12	12
	Core Engineering	EM621: Air Pollution Prevention and Control	12	12
	Physical/Earth	EM 630 Environmental Chemistry	12	12
	Core Aquatic	EM 642: Physico-Chemical Properties of Aquatic Systems	12	12
	Elective	Elective 2 (Selected from the electives Table 2)	12	12
		Total Credits Semester II for All Streams		**60**
III	All Streams	EM 699: Dissertation	60	60
		Grand Total		**180**

Table 2: Elective Courses

S/No.	Electives Courses	
1.	EM 650 Environmental Ethics and Philosophy	12
2.	EM 651 Entrepreneurship and the Environment	12

3.	EM 652 Environmental Impact Assessment	12
4.	EM 653 Geographic Information Systems and Remote Sensing	12
5.	EM 654 Industrial Ecology and Ecological Engineering	12
6.	EM 655 Participatory Approaches to Environmental Management	12
7.	EM 656 Human Ecology	12
8.	EM 657 Environmental Oceanography	12
9.	EM 658 Resources Utilisation and Environmental Protection	12
10.	EM 659 Industrial Development and Pollution Prevention	12
11.	EM 660 Work Environment and Chemical Safety	12
12.	EM 661 Soil and Groundwater Pollution from Anthropogenic Activities	12
13.	EM 662 Aquatic Ecology and Pollution	12
14.	EM 663 Computational Methods and Environmental Modelling	12
15.	EM 664 Renewable Energy Sources	12
16.	EM 665 Environmental Analytical Methods	12
17.	EM 666 Fisheries, Fish Biology and Environment	12
18.	EM 667 Waste Management in Aquatic Systems	12
18.	EM 668: Aquatic Ecological Monitoring and Assessment	12
19.	EM 669 Aquaculture and Environment	
20.	EM 670: Coastal and River Modelling	12
21.	EM 671: Integrated Coastal Zone Management	12
22.	EM 672 Bioethics Biosafety and Biopolicy	12
23.	EM 673: Environmental Pollution and Public Health	12

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

1. Entry Requirements
i.   A BSc Degree in a Chemical and Process Engineering field from a recognised institution GPA of not less than 2.7 out of 5 or another equivalent BSc programme. with
ii. A corresponding postgraduate diploma offered by College of Engineering and Technology, UDSM or any other recognised institution.
iii. The Admission Board will also consider applicants, with any other equivalent qualifications not mentioned above, subject to the Senate approval.

2. Objective of the Programme
The programme has the principal objective to train experts for managing chemical and process related fields.

3. List of Courses

Semester I			Semester II		
Core Courses			Core Courses		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
CP 601	Transport Phenomena	12	CP 616	Advanced Process Dynamics and Control	12
CP 602	Separation Process	12	CP 630	Experimental Design and Data Analysis	12
CP 603	Environmental Engineering	12	EM 602	Numerical Analysis	12

CS 680	Computer Programming	12	MG 624	Contract Management and Administration	12
Elective Courses (Select at least 12 Credits)			*Elective Courses (Select at least 12 Credits)*		
CP 604	Plant Design and Optimisation	12	CP 608	Advanced Chemical Reaction Engineering	12
CP 605	Food Process Engineering	12	CP 609	Process Energy Management	12
CP 607	Advanced Process Technology	12	CP 681	Advanced Pulping Technology	12
Semester III					
CP 699	Dissertation				60

POSTGRADUATE DIPLOMA IN ENVIRONMENTAL ENGINEERING
1. Entry Requirements
The candidate should have an advanced diploma or equivalent in Engineering in the relevant field from a recognised College or A pass degree in Engineering in the relevant field from a recognised University.

2. List of Courses

Semester I			Semester II		
Core Courses			*Core Courses*		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
CP 522	Air Pollution Prevention and Control	12	MG 440	Engineering Economics	8
CP 521	Solid Waste Management	12			
WR 602	Water Pollution Prevention and Control	12	CP 623	Resource Utilisation and Environmental Technology	12
CP 503	Engineering Thermodynamics	8			
CP 508	Computer Applications	12	CP 599	Project	16
Elective Courses (Select at least 12 Credits)			*Elective Courses (Select at leas 24 Credits)*		
CP 605	Food Process Engineering	12	CP 406	Process Dynamics and Control	12
CP 607	Advanced Process Technology	12	MG 440	Engineering Economics	8
CP 609	Process| Energy Management	12	CP 625	Hazard and Operability (HAZOP) Studies	12
CP 626	Hazard Analysis (HAZAN) Risk Assessment Occupational Safety and Health Hazards	12	CP 628	Soil and Ground Water Pollution from agricultural Activities	12
CP 615	Environmental Management	12	WR 614	Water Resources Management	12
CP 627	Radiation Hazards and Protection	12			

Courses shown above with 600 codes are Master level courses.
Credits scored in the Master level courses may be transferred to a Masters programme.

POSTGRADUATE DIPLOMA IN CHEMICAL AND PROCESS ENGINEERING
1. Entry Requirements
The candidate should have an advanced diploma or equivalent in Engineering in the relevant field from a recognised College or A pass degree in Engineering in the relevant field from a recognised University.

2. List of Courses

Semester I			Semester II		
Core Courses			Core Courses		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
CP 410	Elements of Environmental Engineering	12	CP 425	Plant Design and Economics	12
CP 501	Principles of Chemical and Process Engineering	8	MG 440	Engineering Economics	8
CP 503	Engineering Thermodynamics	8			
CP 514	General Chemistry	8			
CP 508	Computer Applications	12			
			CP 599	Project	16
Elective Courses *(Select at least 12 Credits)*			*Elective Courses* *(Select at least 24 Credits)*		
CP 371	Plastic Technology	12	CP 479	Engineering Properties of Foods and Packaging Materials	12
CP 406	Process Dynamics and Control	12	CP 609	Process Energy Management	12
CP 472	Introduction to Industrial Ecology	12	CP 209	Biochemical Engineering	12
			CP 379	Fermentation Technology and Its Applications	12

CoET STAFF LIST
Office of the Principal

Associate Professor and Principal
B. M. M. Mwinyiwiwa, BScEng (Dar), MEng, PhD (McGill)

Senior Lecturer and Manager, Bureau for Industrial Co-operation (BICO)
M. J. Manyahi, BScEng (Dar), MSc (Strathclyde), PhD (Uppsala)

Associate Professor and Projects' Coordinator, Bureau for Industrial Cooperation (BICO)
D. M. M. Mulungu, BScEng (Dar), MSc, PhD (Kyoto)

Lecturer and Manager, Technology Development and Transfer Centre (TDTC)
S. I. Marandu, BScEng, MScEng (Dar), PhD (Newcastle)

Lecturer and Coordinator (Technology Development)
E. E. Mbise, BScEng (Dar), MScTXT (Manchester) PhD (NTU)

Lecturer and Coordinator (Technology Transfer)
Z. J. Katima, BScEng (Dar), MSc (Ghent), PhD (Tshwane)

Senior Lecturer and Coordinator, Planning & Resource Mobilisation and External Links
V. E. Mahabi, BScEng (Dar), MSc (Loughborough), PhD (Florida)

Lecturer and Coordinator, Postgraduate Studies and Research
E. S. Matee, BScEng (Northumbria), MscEng (New Castle), PhD (Tennessee)

Senior Lecturer and Coordinator, Undergraduate Studies
J. H. Kihedu, BScEng, MScEng (Dar), PhD (Nagoya)

Lecturer and Coordinator, Timetable
E. Fungo, BScEng, MSc (Dar), PhD (Stellenbosch)

Lecturer and Coordinator of Quality Assurance
M. C. Materego, BScEng (Dar), MScEng (Sheffield), PhD (Leeds)

Lecturer and Coordinator, Gender
D. D. Kaombe, BScEng (Dar), MSc. (Reading), PhD (Trondheim)

Senior Lecturer and Head, Central Technical Services
I. W. R. Taifa, BScEng (Dar), MEng. (Gujarat), PhD (Manchester)

Senior Lecturer and Coordinator, Practical Training
M. H. Mtebwa, BScEng (Dar), MSc, PhD (Lausanne)

Senior Lecturer and Editor in Chief, Tanzania Journal of Engineering and Technology
**J. J. Justo, BScEng (Dar), PhD (Dongguk)

Principal Administrative Officer II and Head, Human Resource Management and Administration
B. D. Mushi, BA PSPA International Relations (Hons) (Dar), MSc. HRM (Salford)

Administrative Officer
G. C. Ladislaus, BA, MBA (Dar)

College Accountant
A. H. Hassan, CPA ((T), NBAA), BA, MBA (Dar)

Senior Accounts Officer
E. J. Nkiko, PGDA (IAA, Arusha), Adv. Dipl. (Accounts) (TIA), Dipl. (ESc) (Klerruu)

Supplies Officer and Head, Procurement Management Unit
J. H. Killo, PScP (SAUT), MSc. PSCM (Mzumbe), CPSP (PSPTB)

Supplies Officer
G. N. Kaaya, AdvDip (Arusha), MBA-CM (Mzumbe), CPSP (PSPTB)

Senior Assistant Supplies Officer
V. I. Makero, ADPS (CBE), NSKC

Office Management Secretaries II
Z. H. Haji, Certificate, Diploma (TPSC, Dar), BHRM (ISW, Dar)
E. G. Feksi, Certificate, Diploma (TPSC, Tanga)

Personal Secretaries II
Z. H. Said, Certificate, Diploma (TPSC, Dar)
S. L. Mlingi, Certificate (TPSC, Dar), Diploma (CSI)

Records Management Assistant
E. G. Kanemba, Diploma (TPSC, Singida)

Office Attendants
D. S. Kilakala (Form IV)
D. S. Mwanakosa (Form IV)

Department of Chemical and Process Engineering (CPE)

Senior Lecturer and Head
M. M. Said, BScEng, MSc, PhD (Dar)

Professor
S. V. Manyele, BSc (Eng.), MSc (Dar), PhD (Western Ontario)

Associate Professor
E. N. Elisante, BScEng (Dar), MScEng (Arizona), PhD (Tohoku)

Senior Lecturers
M. M. Said, BScEng, MSc, PhD (Dar)
N. O. Msuya, BScEng, MScEng, PhD (Dar)

Lecturers
D. D. Kaombe, BScEng (Dar), MSc (Reading, UK), PhD (Trondheim)
K. K. Janga, BScEng, MSc (Dar), PhD (Trondheim)
Z. J. Katima, BScEng (Dar), MSc (Ghent), PhD (Tshwane)
J. M. Jeremiah, BSc, MSc, PhD (Dar)
A. K. Isibika, BSc, MSc (Dar), PhD (SLU, Uppsala)
D. L. Kaunga, BSc (Dar), MscEng (Newcastle), PhD (Bradford)

Assistant Lecturers
I. M. Sichone, BScEng (Dar), MSc (Stratchclyde)
*B. D. Issara, BSc (Dar), MSc (NTNU)
*M. Luhasile, BSc (Dar), MSc (Tianjian)
*S. M. Said, BScEng (Dar), MScCE (Newcastle)

Tutorial Assistants
A. R. Joseph, BSc (Dar)
E. D. Massawe, BSc (Dar)
J. J. Abel, BSc (Dar)

Laboratory Engineer I
*M. F. Samki, BScEng (Dar)

Laboratory Engineer II
W. L. Marandu, BSc (Dar)

Principal Laboratory Technician I
G. Mwakasege, FTC (Dar), Diploma (Westminster)

Laboratory Technician I
H. F. Shirima, BSc (DIT)

Laboratory Technicians II
E. P. Johanson, Diploma (ATC), BSc (Dar)
B. G. Salum, Diploma (ATC)

Executive Assistant I
B. F. Msumba, Certificate (TPSC, Tabora), Diploma (TPSC, Dar), BA (OUT)

Senior Office Attendant II
G. J. Ndyamukama, Form IV

Department of Mechanical and Industrial Engineering
Senior Lecturer and Head
P. M. Bulemo, BScEng (Dar), MSc (Manchester), PhD (Daejeon)

Associate Professor
L. V. Haule, BScEng (Dar), MSc (Manchester), PhD (Manchester)

Senior Lecturers
B. S. Ndazi, BScEng, MScEng, PhD (Dar)
G. S. Mwaluko, BScEng (Dar), MScEng (Strathclyde), PhD (Cape Town)
I. J. Macha, BScEng (Dar), MSc (Stockholm), PhD (Sydney)
I. W. R. Taifa, BScEng (Dar), M.Eng. (Gujarat), PhD (Manchester)
J. H. Kihedu, BScEng, MScEng (Dar), PhD (Nagoya)
J. M. Matindana, BScEng, MEM, PhD (Dar)
L. N. Mwenekitete, BSc, MSc, PhD (Dar)
M. H. Mtebwa, BScEng (Dar), MSc, PhD (Lausanne)
M. I. Mgwatu, BScEng (Dar), MScEng (Ottawa), PhD (Dar)
N. E. Mushi, BScEng (Dar), MSc, PhD (Stockholm)
P. M. Bulemo, BScEng (Dar), MSc (Manchester), PhD (Daejeon)
P. N. Bigambo, BScEng (Dar), MSc (Manchester), PhD (Leeds)
T. E. Mwinuka, BScEng (Dar), MScEng (Dar), MSc (Warwick), PhD (Manchester)
V. E. Mahabi, BScEng (Dar), MSc (Loughborough), PhD (Florida State)
S. P. Ayeng'o, BScEng, MScEng (Dar), PhD (Aachen)
S. I. Marandu, BScEng, MScEng (Dar), PhD (Newcastle upon Tyne)
J. M. Kafuku, BScEng, MEM (Dar), PhD (Johor Bahru)

Lecturers
C. M. Kahabi, BA (Dar), MPhil (Manchester), PhD (Huddersfield)
D. A. Mahwera, BScEng (Dar), MPhil (Manchester), PhD (Huddersfield)
E. E. Mbise, BScEng (Dar), MSc (Manchester), PhD (Notttingham)
E. W. Nshama, BScEng (Dar), MScEng (Toyohashi), PhD (Toyohashi)
J. M. Bidu, BScEng (Dar), MSc (Niederrhein), PhD (KU Leuven)
J. M. Lutta, BA (Dar), MSc (Detmold), PhD (KU Leuven)
J. V. Machuve, BScEng, MEM, PhD (Dar)
M. C. Materego, BScEng (Dar), MScEng (Sheffield), PhD (Leeds)
M. H. Mrango, BScEng (Dar), MSc, PhD (Manchester)
M. J. Mvungi, BScEng, MSc, PhD (Dar)
M. P. Nnko, BScEng, MEM (Dar)
M. S. Halinga, BScEng (Dar), MSc. (Rutgers), PhD (Toyohashi)
P. B. Msemwa, BScEng, MScEng, PhD (Dar)
S. I. Shariffu, BScEng, MScEng, PhD (Dar)
T. V. Nyaketoleka, BScEng (Dar), MSc (Manchester), PhD (Dar)

Assistant Lecturers
A. R. Kagwa, BScEng, MEM (Dar)
C. J. Joseph, BSc (Dar), MSc. (Manchester)

C. W. Nyaketoleka, BScEng (Dar), MSc (Eötvös Loránd)
T. H. Alexander, BSc (Dar), MSc (Uttarakhand)
*A. M. Mwakibambo, BScEng (Dar), MSc (Niederrheim)
*E. D. Nyanga, BScEng (ME) (Dar), MSc (Cranfield)
*F. J. Mweta, BScEng (ME) (Dar), MSc (Daejeon)
*F. V. Makonelah, BScEng, MScEng (Dar)
*H. J. Nyobuya, BScEng (ME), MScEng (Dar)
*I. J. Mwasubila, BScEng (Dar), MTech. (Andhra Pradesh)
*J. M. Ngowi, BScEng, MEM (Dar), MSc (   )
*V. S. Jorry, BScEng (Dar), MSc. (Daejeon)
*L. R. Msalilwa, BScEng (Dar), MSc (Niederrheim)

Tutorial Assistants
P. L. Wese, BScEng (Dar)
E. B. Mawala, BScEng (Dar)
S. O. Mlabwa, BScEng (Dar)
*J. Z. Mollel, BSc (Dar)

Instructor II
A. Z. Doto, BA (Dar)

Laboratory Engineer II
E. J. Moshi, BScEng (Dar)

Laboratory Technician II
L. B. Mwamakula, Diploma (Mechanical Engineering) (Dar), BSc (DIT)
G. J. Analysis, Diploma (Mechanical Engineering) (Dar)
F. C. Kalumna, Diploma (Mechanical Engineering) (DIT)
S. V. Naally, Diploma (ATC)
T. R. Thomas, Diploma (DIT)
L. M. Jamhuri, Diploma (MUST)
L. A. Kibona, Trade Test III (VETA)

Executive Assistant I
A. I. Kido, Cert (Tabora), Dip (Dar)

Department of Structural and Construction Engineering (SCE)
Lecturer and Head
D. S. Augustino, BScEng (Dar), MSc (Linnaeus), PhD (PAU, Cameroon)

Associate Professors
I. A. Rubaratuka, MSc, PhD (Kiev)
J. K. Makunza, BScEng, MSc (Dar), Dr. Ing (Dortmund)

Senior Lecturer
F. K. Mohamed, BA, MA, PhD (Tokyo)

Lecturers
H. M. Kiwelu, BScEng (Dar), MScEng, PhD (Brunswick)
H. L. Kalenga, BScEng (Dar), MSc (Laurentian), PhD (Dar)
E. L. Akonay, BScEng (Dar), MSc, PhD (Cape Town)
L. P. Makundi, BA (Minneapolis), MSc (Washington DC), PhD (ARU)
D. S. Augustino, BScEng (Dar), MSc (Linnaeus), PhD (PAU, Cameroon)
H. J. Mtyana, Adv. Dipl. (DIT), PGD, MSc (Dar), PhD (
*A. T. Bakera, BScEng (Dar), MSc, PhD (Cape Town), PhD (UCT)

Assistant Lecturers
A. A. Mwakyububu, BScEng, MSc (Dar)
C. E. Kimaro, BA, MA (ARU)
D. F. Msumba, BA (ARU), MSc (Tianjin)

E. A. Mgumi, BA, MA(Russia)
F. A. Munishi, BScEng, MScEng (China)
H. A. Mwambingu, BScEng, MScEng (Rostov)
H. P. Mahindi, Dipl., BSc (DIT), MSc (Dar)
L. K. Kakuru, BA (ARU), MA (Nottingham)
M. M. Minja, BArch. (ARU), MSc (Grenoble)
M. M. Madundo, BSc (ARU), MSc (UCL)
R. G. Sanga, BA (ARU), MSc (Tianjin)
R. J. Mluzya, BSc, MSc (ARU)
S. J. Suleiman, BSc (Dar)
S. S. Munisi, BA, MA (ARU)
*A. C. Behitsa, BA, MA (ARU)
*B. N. Lyakwipa, BA (Dar), MScArch (Polytechnic)
*C. E. Olomi, BA (ARU), MSc (Tianjin)
*C. J. Bhoke, BSc, MA (ARU)
*M. B. Kilumile, BScEng (Dar), Masters (Polytechnic University of Catalonia)
*M. R. Sisila, BA (ARU), MSc. (Politecnico di Milano)
*S. B. Mwamanege, BA (India), MScArch (Italy)
*R. R. Mahundi, BScEng, MScEng (Dar)
*M. M. Lubasa, BScEng, MSc (ARU), PhD (Dar)
*P. Z. Holela, BScEng, MScEng (Dar)
*G. F. Kalabezile, BScEng, MSc (ARU)
*Y. J. Myamba, BScEng, MSc (Dar)
*J. G. Kessy, BScEng (Dar), MSc (Cape Town)
*R. F. Komba, BScEng, MSc (Dar)
*W. R. Mmari, BScEng (Dar), MSc (Linnaeus)
*W. W. Mrema, BScEng (Dar), MSc (Dundee)
***J. S. Ntiyakunze, BSc, MSc (ARU)
N. J. Lyimo, BScEng (Dar), MSc (ARU)

Tutorial Assistants
I. P. Assenga, BSc (Dar)
*W. A. Mnozya,

Principal Instructor I
H. J. Mwanga, BSc, MSc (Dar)

Senior Laboratory Technician II
E. S. Mwendo, FTC (Arusha Tech), BSc (Water Institute)

Laboratory Technician II
I. Y. Kimaro, Dipl. (DIT)

Laboratory Assistant II
O. A. Kashililika, FTC (Morogoro)
R. S. Kindojo, FTC (Songea)

Office Management Secretary I
L. E. Bitegeko, Certificate, Diploma (TPSC, Dar)

Office Management Secretary II
C. M. Masatu, Certificate, Diploma (TPSC, Tabora)

Department of Transportation and Geotechnical Engineering (TGE)
Senior Lecturer and Head
P. M. S. Bujulu, BScEng (Dar), MScEng (Hanover), PhD (Trondheim)

Professor
D. A. Mfinanga, BScEng (Dar), MSc (Miyazaki), PhD (Kyushu)

Associate Professor
H. J. Bwire, BScEng, MSc, PhD (Dar)

Senior Lecturers
P. M. S. Bujulu, BScEng (Dar), MScEng (Hanover), PhD (Trondheim)
S. P. Rimoy, BScEng (Dar), MScEng, PhD (Imperial College)

Lecturers
A. P. Lubida, BScEng (Dar), MSc (SUA), PhD (Dar)
E. E. Rwakarehe, BScEng, MSc (Dar), PhD (New Brunswick)
E. J. Elvis, BScEng (Dar), MSc, PhD (Nottingham)
E. M. Fungo, BScEng, MSc (Dar), PhD (Stellenbosch)
J. E. Masaki, BScEng (Dar), MSc, PhD (Florida)
J. M. Ijumulana, BScEng, MSc (Netherlands), PhD (KTH, Stockholm)
J. M. Mango, BScEng (ARU), MSc (Karadeniz), PhD (ECNU, China)

Assistant Lecturers
P. P. Shauri
R. S. Ngoma, Bsc (ARU), MSc (Dar)
S. A. Makuti, BSc (ARU), MSc (Twente), MSc (ARU)
L. V. Kato, BScEng (ARU), MSc (Enschede)
*N. C. Batakanwa, BScEng MSc (ARU)
*B. A. Nzoshe, BScEng (Dar), MSc (Tsukuba, Japan)
*G. J. Rugabandana, BscEng (ARU), MSc (Dar)
***F. K. Mutabazi, BScEng, MSc (Dar)
***J. S. Masiko, BScEng (Dar), MSc (Nottingham)

Tutorial Assistants
G. M. Paul, BSc (ARU)
*C. S. Bachwenkizi, BSc Geomatics (ARU)
L. A. Ngulwa, BSc (ARU)
M. A. Ngogo, BSc (Dar)
P. B. Barongo
*V. A. Msoma, BSc (Dar)
W. G. Mfinanga, BSc (Dar)

Senior Laboratory Engineers I
R. H. Maganga, BScEng (Dar) MSc (HE) (Dar)
G. J. Nchimbi, BScEng (Dar) MSc (ARU)

Laboratory Engineer I
Y. J. Lusega, ODE (ATC, Arusha), BEng (DIT, Dar)

Laboratory Engineer II
F. O. Msafiri, BScEng (MUST, Mbeya)

Senior Laboratory Scientists II
S. A. Muneja, BScEng (Dar), MSc (ARU)

Laboratory Scientists II
A. S. Simon, BScEng (Dar)
F. F. Rwegasira, BSc (ARU)
J. S. Makuri, BSc (ARU)

Principal Laboratory Technicians I
B. E. Mushi, FTC (Dar)
M. M. Bisake, FTC, ADE (Dar)

Senior Laboratory Technician II
L. E. Mwiganege, FTC (ATC, Arusha), BEng (St. Joseph, Dar)

Laboratory Technician I
F. F. Kibiki

Laboratory Technician II
A. E. Shabani, Bachelor in Civil and Irrigation Eng. (ATC), Dip (ATC)

Office Management Secretary I
F. S. Mkomeni, Dip (Tanga)

Department of Water Resources Engineering (WRE)
Lecturer and Head
J. O. Mtamba, BSc, MSc, PhD (Dar)

Associate Professors
***P. M. Ndomba, BScEng, MSc, PhD (Dar)
J. N. Kirway, BScEng, MSc (Dar), PhD (Yokohama)
D. M. M. Mulungu, BScEng (Dar), MSc, PhD (Kyoto)

Senior Lecturers
R. J. Kimwaga, BScEng, MSc, PhD (Dar)
A. C. Alexander, BScEng, MSc (Dar), PhD (Tshwane)
E. N. Richard, BScEng, MSc (Dar), PhD (NMAIST)
F. J. Izdori, BScEng, MSc (Dar), PhD (Edinburgh)
S. E. Munishi BScEng, MSc (Dar), PhD (KwaZulu-Natal)

Lecturers
J. O. Mtamba, BScEng, MSc, PhD (Dar)
P. C. Valimba, BScEng, MSc (Dar), PhD (Grahams Town)
M. C. Kayombo, BScEng, MSc, PhD (Dar)

Assistant Lecturers
L. R. Maketa, BScEng (Dar), MSc (Dar)
*F. P. Shagega, BScEng, MSc (Dar)
*N. T. Kashaija, BScEng (ARU), MSc (Dar)
*H. I. Magambo BScEng (ARU), MSc (Dar)

Tutorial Assistants
V. E. Rweyemam, BScEng (Dar)
Y. R. Ndolele, BScEng (Dar)
*W. A. Mtiga, BScEng (Dar)

Lab Engineer II
L. I. Marwa, BScEng (Dar)

Lab Engineer III
S. J. Mbaga, BScEng (Dar)

Lab Technician II
M. E. Richard, Dipl. (Water Institute)
P. A. Mwesigwa, Dipl. (Water Institute), B WRE (Water Institute)

Personal Secretary I
R. O. Kasongwa, Certificate, Diploma (TPSC, Mtwara)

Department of Electrical Engineering
Senior Lecturer and Head
A. T. Mushi, BScEng, MScEng (Dar), PhD (Yokohama)

Associate Professor
B. M. M. Mwinyiwiwa, BScEng (Dar), MEng, PhD (McGill)

Senior Lecturers
A. T. Mushi, BScEng, MScEng (Dar), PhD (Yokohama)
F. A. Mwasilu, BScEng (Dar), PhD (Dongguk)
M. J. Manyahi, BScEng (Dar), MSc (Strathclyde), PhD (Uppsala)
N. K. Lujara, BScEng (Dar), MEng (McGill), DrIng (Rand Afrikaans)
S. L. Kihwele, BScEng, MScEng (Dar), PhD (Yonsei)
**J. J. Justo, BScEng (Dar), PhD (Dongguk)

Lecturers
A. K. Kahwa, BSc (Dar), MSc (Yokohama, PhD (Yokohama)
E. S. Matee, BScEng (Northumbria), MscEng (New Castle), PhD (Tennessee)
H. Y. Mkindu, BSc (Wuhan), MSc (Dar), PhD (Harbin)
P. M. Makolo, BScEng (Dar), MScEng (Chalmers), PhD (Aucland)
I. A. Mwammenywa, BScEng (Dar), MScEng (Mandela), PhD (Goethe Paderborn)
*M. R. Msukwa, BScEng (Dar), MSc, PhD (Toyohashi)

Assistant Lectures
H. M. Munisi, BSc (Dar), MSc (Dar)
P. P. Chambela, BscEng, MSc (Dar)
*A. M. Salimu, BScEng (Dar), MScEng (Dongguk)
*E. P. Mwaigaga, BScEng (Dar), MSc (Shandong)
*E. T. Marcel, BScEng (Dar), MSc (Manchester)
*G. W. Mhagama, BScEng, MSc (Dar)
*I. H. Masenge, BScEng, MSc (Dar)
*J. S. Mwakijale, BScEng, MSc (Dar)
*S. O. Kasinge, BScEng (Dar), MSc (Mandela)
*R. H. Myovela, BScEng (Dar), MSc (Nagoya)
*R. S. Mollel, BScEng (VIIsvesvaraya), MScEng (Arkansas)

Tutorial Assistants
*D. J. Mwakalasi, BScEng (Dar)
*G. J. Nyahega, BScEng (Dar)
U. J. Nyitunze, BScEng (Dar)

Laboratory Engineers II
E. A. Msigwa, BScEng (Dar)
D. R. Mwaiswelo, BEng (DIT)

Laboratory Technician I
M. M. Mkwai, Ord. Dipl. (DIT)

Laboratory Technicians II
C. M. Magoti, Dipl. (ATC)
E. M. Mwaiswaswa, Dipl. (Mbeya)

Technician I
M. A. Etoakee

Office Management Secretary I
Z. A. Mchambe, Dip (Dar)

Training Workshops (TWS)
Instructor I and Head
M. S. Killo, FTC (DTC), ADE (DIT), PGD (Dar)

Principal Instructors I
M. P. Jahulula, FTC (TCA), ADE (DIT), PGD, MEM (Dar), MBA (Tumaini), LLB (Dar)
W. R. Mwaruka, BScEng, MSc (Dar)

Principal Laboratory Technicians I
A. A. Mchomvu, FTC (TCA), BScEng (OUT)
R. J. Manota, FTC (DIT), ADE (MIST), MSc MEMM (DIT),

Senior Instructors II
F. R. Duduye, FTC (TCA), ADE (DIT), PGD (Dar)
G. P. Makusa, BScEng (Dar), MSc, PhD (Stokholm)
J. S. Mnendendo, BScEng (CSE), MSc (HE) (Dar)

Instructors I
E. W. Mkenda, DipEng (ATC), BScEng (DIT), MEng (DIT),
J. I. Kiyenzemale, BScEng (SAUT)
M. S. Killo, FTC (DTC), ADE (DIT), PGD (Dar)
R. D. Kokushuliza, BScEng, MSc (Dar)

Instructors II
N. E. Pantaleo, BScEng (Dar)
H. I. Jumaa, BScEng (Mozambique)
R. K. Joackim, BScEng (MUST)
F. R. Isingo, Dipl. (DIT), BEng (DIT), MSc (Dar)
I. B. Mkala, Dipl. (DIT), BEng (DIT)
K. P. T. Lema, Dipl. (DIT), BSc (NIT)
J. I. Juma, BSc (Dar)

Laboratory Engineer I
A. E. Mwaibambe, BScEng (Dar)

Principal Laboratory Assistant II
D. R. Mutayoba, Trade Test Grade I (NVTC), CertPed (Germany)

Laboratory Assistant II
F. F. Mtafya, Cert (NTA 2)

Workshop Assistants I
A. L. Kwembe, Trade Test I, Dipl. (MIST), BScEn (MUST)
C. C. Kalikera, Trade Test I (NVTC)
T. R. Mwanjala, Trade Test I (NVTC)
Y. O. Juma, Cert (NTA 2)

Workshop Assistants II
A. M. Makuti, Cert (VET, Kipawa), Dipl. (Al-Maktoum, Dar)
A. Z. Hassan, Cert (Morogoro Vocational Teachers Training College)
R. S. Athumani, NVA Level 2 (Kigoma, RVTSC), NVA Level 3 (Singida, VTC)
J. S. Kayega, Trade Test III (VETA, Iringa and Mbeya)
A. A. Bakari, Trade Test II (VETA, Chang'ombe)

Personal Secretary I
D. L. Mataro, Dip, BHRM (Dar)

Technology Development and Transfer Centre (TDTC)
Lecturer and Manager
S. I. Marandu, BScEng, MScEng (Dar), PhD (Newcastle)

Lecturer and Co-ordinator (Technology Development)
E. E. Mbise, BScEng (Dar), MScTXT (Manchester) PhD (NTU)

Lecturer and Co-ordinator (Technology Transfer)
Z. J. Katima, BScEng (Dar), MSc (Ghent), PhD (Tshwane)

Principal Instructor I and Head of Workshop (TDTC)
R. W. Mwaruka BScEng, MSc (Dar)

Multidisciplinary Workshop
Workshop Assistants I
J. N. Mndeme (Std VII, GCE, Fitter and Turner Trade Test Grade I)
Y. S. Mohamedi (Form IV, Electrical Installation Trade Test Grade I)
S. M. Chambuso (Std VII, Fitter and Turner Trade Test Grade I)
W. Y. Mlacha (Std VII, Fitter and Turner Trade Test Grade I)
A. C. Nyenyembe (Form IV, Electrical Installation Trade Test Grade I)

Principal Artisan I
J. H. Mbolela (Std VII, Fitter and Turner Trade Test Grade I, Ord Dipl in Motor Vehicle Maintenance)

Senior Artisan II
J. H. Mwanahumu (Std VII, Welding Trade Test Grade I)

Personal Secretary I
Q. I. Mwalukunga, Certificate, Diploma (TPSC, Dar), BHRM (ISW, Dar)

Department of Central Technical Services (CTS)
Senior Lecturer and Head
I. W. R. Taifa, BScEng (Dar), M.Eng. (Gujarat), PhD (Manchester)

Senior Laboratory Technician I
G. H. Kayumbo, BSc (Dar)

Principal Workshop Technician I
A. M. Chambuso,

Workshop Assistant I
S. S. Ntare, Cert (VETA, Chang'ombe)

Principal Transport Officer I
S. R. Salume, Dipl. (TANESCO Tech. Institute), Adv. Dipl. (NIT), PGD UPM (UDSM), MBA (OUT)

Principal Driver
D. G. Kessy, Form IV (Moshi), Trade Test I & II (VETA), VIP Grade II & I (NIT)

Drivers I
A. S. Halfani, Form IV, Basic Driving Cert (Kigoma), PSV (VETA, Kigoma), VIP Grade II (NIT), Motor Vehicle Driver Mechanics (VETA, Chang'ombe),
M. M. Makoye, Form IV (Alfagems), Basic Driving Cert (VETA), Trade Test II (NIT), VIP Grade II & I (NIT)

Senior Office Assistant I
F. R. Gaibu

Office Management Secretary I
J. B. Omari, Certificate, Diploma (TPSC, Dar)

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*   On Study Leave
**   On Sabbatical Leave
***   On Leave of Absence/Secondment

INTRODUCTION

The College of Humanities (CoHU) comprises six academic departments, namely; Archaeology and Heritage Studies, Creative Arts, Foreign Languages and Linguistics, History, Literature, as well as Philosophy and Religious Studies. The College also has two centres namely; the Centre for Communication Studies (CCS) and Humanities Research Centre (HRC).

PROGRAMMES OFFERED BY THE COLLEGE OF HUMANITIES

The College of Humanities has facilities in all departments to enable students to undertake advanced works and researches under supervision for MA and PhD programmes of the University of Dar es Salaam. All MA degrees are offered in two modes, namely by coursework and dissertation as well as by thesis, while all PhD programmes are offered by thesis.

The table shows all the details of the MA and PhD programmes offered by the College.

List of Programme Offered

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (USD)
1	Master of Arts in History	Coursework and Dissertation	Full-time	18 months	2,880,000	6,030
2	Master of Arts in History	Thesis	Full-time	24 months	3,350,000	8,040
3	Master of Arts in Archaeology	Coursework and Dissertation	Full-time	18 months	2,880,000	6,030
4	Master of Arts in Archaeology	Thesis	Full-time	24 months	3,350,000	8,040
5	Master of Arts in Heritage Management	Coursework and Dissertation	Full-time	18 months	2,880,000	6,030
6	Master of Arts in Heritage Management	Thesis	Full-time	24 months	3,350,000	8,040
7	Master of Arts in Fine Arts	Coursework and Dissertation	Full-time	18 months	2,880,000	6,030
8	Master of Arts in Fine Arts	Thesis	Full-time	24 months	3,350,000	8,040
9	Master of Arts in Music	Coursework and Dissertation	Full-time	18 months	2,880,000	6,030
10	Master of Arts in Music	Thesis	Full-time	24 months	3,350,000	8,040
11	Master of Arts in Theatre	Coursework and Dissertation	Full-time	18 months	2,880,000	6,030
12	Master of Arts in Theatre	Thesis	Full-time	24 months	3,350,000	8,040
13	Master of Arts in Linguistics	Coursework and Dissertation	Full-time	18 months	2,880,000	6,030
14	Master of Arts in Linguistics	Thesis	Full-time	24 months	3,350,000	8,040

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (USD)
15	Master of Arts in Literature	Coursework and Dissertation	Full-time	18 months	2,880,000	6,030
16	Master of Arts in Literature	Thesis	Full-time	24 months	3,350,000	8,040
17	Master of Arts in Ethics of Governance and Public Service	Coursework and Dissertation	Full-time	18 months	2,880,000	6,030
18	Master of Arts in Ethics of Governance and Public Service	Thesis	Full-time	24 months	3,350,000	8,040
19	Doctor of Philosophy (PhD) in History	Thesis	Full-time	36 months	2,500,000	4,020
20	Doctor of Philosophy (PhD) in History	Thesis	Part-time	60 months	2,500,000	4,020
21	Doctor of Philosophy (PhD) in Archaeology	Thesis	Full-time	36 months	2,500,000	4,020
22	Doctor of Philosophy (PhD) in Archaeology	Thesis	Part-time	60 months	2,500,000	4,020
23	Doctor of Philosophy (PhD) in Heritage Management	Thesis	Full-time	36 months	2,500,000	4,020
24	Doctor of Philosophy (PhD) in Heritage Management	Thesis	Part-time	60 months	2,500,000	4,020
25	Doctor of Philosophy (PhD) in Fine Arts	Thesis	Full-time	36 months	2,500,000	4,020
26	Doctor of Philosophy (PhD) in Fine Arts	Thesis	Part-time	60 months	2,500,000	4,020
27	Doctor of Philosophy (PhD) in Music	Thesis	Full-time	36 months	2,500,000	4,020
28	Doctor of Philosophy (PhD) in Music	Thesis	Part-time	60 months	2,500,000	4,020
29	Doctor of Philosophy (PhD) in Theatre	Thesis	Full-time	36 months	2,500,000	4,020
30	Doctor of Philosophy (PhD) in Theatre	Thesis	Part-time	60 months	2,500,000	4,020

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee Tanzanian (TZS)	Non Tanzanian (USD)
31	Doctor of Philosophy (PhD) in Linguistics	Thesis	Full-time	36 months	2,500,000	4,020
32	Doctor of Philosophy (PhD) in Linguistics	Thesis	Part-time	60 months	2,500,000	4,020
33	Doctor of Philosophy (PhD) in Literature	Thesis	Full-time	36 months	2,500,000	4,020
34	Doctor of Philosophy (PhD) in Literature	Thesis	Part-time	60 months	2,500,000	4,020
35	Doctor of Philosophy (PhD) in Religious Studies	Thesis	Full-time	36 months	2,500,000	4,020
36	Doctor of Philosophy (PhD) in Comparative Religions	Thesis	Full-time	36 months	2,500,000	4,020
37	Doctor of Philosophy (PhD) in Philosophy	Thesis	Full-time	36 months	2,500,000	4,020
38	Doctor of Philosophy in Communication Studies	Thesis	Full-time	36 months	2,500,000	4,020

POSTGRADUATE DIPLOMA OFFERED BY THE COLLEGE OF HUMANITIES
Currently, the College does not offer any postgraduate diploma programme.

MASTER'S PROGRAMMES OFFERED BY BY COLLEGE OF HUMANITIES
DEPARTMENT OF ARCHAEOLOGY AND HERITAGE STUDIES
1. Introduction
The Department of Archaeology and Heritage Studies under the College of Humanities offers two master's degree programmes, namely:
i.   Master of Arts in Archaeology – MA (Archaeology)
ii.   Master of Arts in Heritage Management – MA (Heritage Management)

2. Objectives of the Programme
The objectives of these postgraduate studies programme are to:
i.   extend the existing generalised undergraduate studies by offering specialised teaching and instruction at an advanced level to meet Tanzania's immediate professional needs;
ii.   create awareness of the problems of African development and a personal commitment to humanistic knowledge in Tanzania;

iii. encourage an interdisciplinary approach and joint research among all the University's humanities departments; and
iv.   generate teaching and research materials with direct relevance to contemporary policy issues in Tanzania.

3. Entry Requirements for MA (Archaeology) and MA (Heritage Management) Programmes
To be eligible for admission, the candidate must fulfill the following conditions:
i.   A relevant bachelor's degree or its equivalent
ii.   Positive recommendations from the minimum of two referees

4. Programme Structure

The MA (Archaeology) and MA (Heritage Management) are being offered by both coursework and dissertation and thesis modes. The coursework and dissertation mode consists of nine months of instruction, followed by a terminal period of nine months of writing a dissertation. The instructional period is divided into two semesters, consisting of 15 teaching weeks and a 2-week period for revision and semester examinations.

5. List of Courses

MASTER OF ARTS IN ARCHAEOLOGY – MA (ARCHAEOLOGY)

Core Courses

Course Code	Course Title	Credits
Year 1: Semester I		
AY 600	Archaeological Approaches	12
AY 601	Africa and the Emergency of Prehistoric Cultures	12
AY 602	Development of Archaeological Theory	12
HM 607	Managing Archaeological Sites	12

Elective Courses (Choose two electives)

Course Code	Course Title	Credits
AY 608	Advanced Archaeometallurgy	12
AY 609	Architectural Technology in Archaeology	12
AY 610	Technologies of Organic Materials	12

Year 1: Semester II
Core Courses

Course Code	Course Title	Credits
AY 603	Africa and the Emergence of Humankind	12
AY 604	Advanced Research Methods in Archaeology	12
AY 605	The Emergence of Africa's Complex Cultures	12

Elective Courses (Choose two electives)

Course Code	Course Title	Credits
AY 606	Lithic Technology	12
AY 607	Ceramic Technology	12
AY 611	Development of Archaeology in Tanzania	12
AY 612	Themes in World Prehistory	12

Compulsory Course: Semester I – II

Course Code	Course Title	Credits
AY 613	Academic Writing in Heritage and Archaeology	00
AY 699	MA Dissertation	60

MASTER OF ARTS IN HERITAGE MANAGEMENT – MA (HERITAGE MANAGEMENT)
Year 1: Semester I
Core Courses

Course Code	Course Title	Credits
HM 600	Cultural Heritage Conservation	12
HM 601	Principles Governing Management of Heritage Resources	12
HM 602	Cultural Heritage and related Policies	12
HM 607	Managing Archaeological Sites	12
HM 610	Heritage and the Public	12
Elective Courses		
Course Code	Course Title	Credits
HM 608	Managing and Use of Museum Collections	12
HM 609	Managing Archival Resources	12

Year 1: Semester II
Core Courses

Course Code	Course Title	Credits
HM 603	Heritage for Tourism	12
HM 605	Advanced Research Methodology in Heritage Management	12
HM 606	Managing Intangible Heritage	12
Elective Courses		
HM 604	Cultural Heritage Impact Assessment (CHIA)	12
HM 611	Geographic Information Systems in Archaeology	12
HM 612	Marketing and Promoting Heritage Resources	12

Compulsory Course: Semester I – II

Course Code	Course Title	Credits
HM 613	Academic Writing in Heritage and Archaeology	00
HM 699	MA Dissertation	60

6. Programme Evaluation and Examinations
For these two MA programmes which are being offered by Coursework and Dissertation, assessment will be as follows;
50% - Coursework
50% - Final examinations
100% - Dissertation

For Dissertation:
Candidates who have successfully completed the coursework phase will be allowed to proceed to the dissertation phase. (*Note that assessment and examinations will be conducted in accordance with the General Regulations and Guidelines for postgraduate Programmes of the University of Dar es Salaam 2013*). The terminal period of nine months is directed towards the completion of a dissertation. The dissertation is done after the candidate completes and passes the coursework. The MA degree will not be granted until the dissertation has been satisfactorily completed.

DEPARTMENT OF HISTORY

1. Introduction

The Department of History under the College of Humanities offers one master's degree programme namely, Master of Arts in History – MA (History).

2. Objectives of the Programme

The objectives of this postgraduate programme are to:

i.   extend the existing generalised undergraduate studies by offering specialised teaching and instruction at an advanced level to meet Tanzania's immediate professional needs;

ii. create awareness of the problems of African development and a personal commitment to humanistic knowledge in Tanzania;

iii. encourage an interdisciplinary approach and joint research among all the University's humanities departments; and

iv. generate teaching and research materials with direct relevance to contemporary policy issues in Tanzania.

3. Entry Requirements for MA (History)

To be eligible for admission, the candidate must fulfill the following conditions:

i.   A relevant bachelor's degree or its equivalent

ii. Positive recommendations from the minimum of two referees

4. Programme Structure

The MA (History) is being offered by both coursework and dissertation and thesis modes. The coursework and dissertation mode consists of nine months of instruction, followed by a terminal period of nine months of writing a dissertation. The instructional period is divided into two semesters, consisting of 15 teaching weeks and a 2-week period for revision and semester examinations.

5. List of Courses

MASTER OF ARTS IN HISTORY – MA (HISTORY)

Year 1: Semester I

Core Courses

Course Code	Course Title	Credits
HI 605	Theory of History	12
HI 606	Historiography of Africa	12
HI 607	History Research Methods and Techniques	12

Elective Courses

Course Code	Course Title	Credits
HI 612	Topics in Tanzania Environmental History	12
HI 614	Diseases and Healing in Africa: Late 19th Century to the Present	12
AY 620	History of Heritage Conservation	12
AY 621	Theories and Principles Governing Management of Heritage Resources	12

Year 1: Semester II

Core Courses

Course Code	Course Title	Credits
HI 608	Preparation of History research proposals	12

Course Code	Course Title	Credits
HI 609	Global Capitalism and Africa	12
HI 611	Colloquium on the political economy of Tanzania	12

Elective Courses

Course Code	Course Title	Credits
HI 613	History of Labour in Sub Saharan Africa	12
HI 610	African History and Allied Sciences	12
AY 624	Heritage for Tourism	12
AY 625	Heritage Management and Conservation	12

Year 2

Core Courses

Course Code	Course Title	Credits
HI 699	Dissertation	60

6. Programme Evaluation and Examinations

Assessment

For this MA programme (Coursework and Dissertation mode) will be assessed as follows:

50% - Coursework

50% - Final examinations

100% - Dissertation

For Dissertation:

Candidates who have successfully completed the coursework phase will be allowed to proceed to the dissertation phase. (*Note that assessment and examinations will be conducted in accordance with the General Regulations and Guidelines for postgraduate Programmes of the University of Dar es Salaam 2013*). The terminal period of nine months is directed towards the completion of a dissertation. The dissertation is done after the candidate completes and passes the coursework. The MA (History) degree will not be granted until the dissertation has been satisfactorily completed.

DEPARTMENT OF CREATIVE ARTS

1. Introduction

The Department of Creative Arts under the College of Humanities offers three master's degree programmes, namely:

i. Master of Arts in Fine Arts – MA (Fine Arts)

ii. Master of Arts in Theatre Arts – MA (Theatre Arts)

iii. Master of Arts in Music – MA (Music)

2. Objectives of the Programme

The objectives of these postgraduate programmes are to:

i. extend the existing generalised undergraduate studies by offering specialised teaching and instruction at an advanced level to meet Tanzania's immediate professional needs;

ii. create awareness of the problems of African development and a personal commitment to humanistic knowledge in Tanzania;

iii. encourage an interdisciplinary approach and joint research among all the University's humanities departments; and

iv. generate teaching and research materials with direct relevance to contemporary policy issues in Tanzania.

3. Entry Requirement for MA Degree Programmes

To be eligible for admission to these programmes offered by the Department of Creative Arts, the candidate must fulfill the following conditions:

i.   A relevant bachelor's degree or its equivalent
ii.   Positive recommendations from a minimum of two referees

4. Programme Structure

These MA degrees are offered by both coursework and dissertation and thesis modes. The coursework and dissertation mode consists of nine months of instruction, followed by a terminal period of nine months of writing a dissertation. The instructional period is divided into two semesters, consisting of 15 teaching weeks and a 2-week period for revision and semester examinations.

5. List of Courses
MASTER OF ARTS IN FINE ARTS – MA (FINE ARTS)
Year 1: Semester I
Core Courses

Course Code	Course Title	Credits
CA 600	Research Methods in the Arts	12
CA 602	Art Education	12
CA 603	Trends and Movements in Traditional African Art	12
CA 623	Trends and Movements in Contemporary African Art Form and Social Content	12

Elective Courses

Course Code	Course Title	Credits
CA 621	Studies in Contemporary Sculpture	12
CA 631	African Art and the Diaspora	12
CA 612	Applied Studies in Printmaking	12

Year 1: Semester II
Core Courses

Course Code	Course Title	Credits
CA 610	Philosophy of the Arts and Aesthetics	12
CA 611	Graphic Communication Design	12
CA 622	Applied Studies in Drawing	12
CA 632	Applied Studies in Painting	12

Elective Courses

Course Code	Course Title	Credits
CA 633	African Fashion and Textile Design	12
CA 601	Rock Art Theories and Research	12
CA 613	Applied Visual Arts and Products Advertising	12

Year 2
Core Courses

Course Code	Course Title	Credits
CA 699	Dissertation	60

MASTER OF ARTS IN THEATRE ARTS – MA (THEATRE ARTS)
Year 1: Semester I
Core Courses

Course Code	Course Title	Credits
CA 600	Research Methods in the Arts	12
CA 607	Theories of History of Theatre	12
CA 608	Playwriting	12
CA 609	African Drama	12
Elective Courses		
Course Code	**Course Title**	**Credits**
CA 627	Theories and Practices in Acting	12
CA 628	Television Drama and Behaviour Change	12
CA 629	Drama Therapy	12

Year 1: Semester II
Core Courses

Course Code	Course Title	Credits
CA 610	Philosophy of the Arts and Aesthetics	12
CA 617	Political Economy of the Creative Industries	12
CA 618	The Development of Tanzania Theatre	12
CA 619	Techniques of Theatre Directing	12

Elective Courses:

Course Code	Course Title	Credits
CA 637	Radio Drama for Social Change	12
CA 638	Production Design	12
CA 639	Theatre Management	12

Year 2
Core Courses

Course Code	Course Title	Credits
CA 699	Dissertation	60

MASTER OF ARTS IN MUSIC – MA (MUSIC)
Year 1: Semester I
Core Courses

Course Code	Course Title	Credits
CA 600	Research Methods in the Arts	12
CA 604	Trends and Theories in Ethnomusicology	12
CA 605	Musical Arts Education	12
CA 606	Popular Music, Media and Social Identities in Tanzania	12

Elective Courses

Course Code	Course Title	Credits
CA 614	Music Analysis	12
CA 615	Music, Song and Dance	12

Year 1: Semester II

Core Courses

Course Code	Course Title	Credits
CA 610	Philosophy of the Arts and Aesthetics	12
CA 616	Selected Music Traditions in Tanzania	12
CA 624	Issues in African Musicology	12
CA 626	Creative Ethnomusicology	12

Elective Courses

Course Code	Course Title	Credits
CA 625	Music for Development in Africa	12
CA 617	Political Economy of Creative Industries	12

Year 2

Core Courses

Course Code	Course Title	Credits
CA 699	Dissertation	60

6. Programme Evaluation and Examinations

Assessment

For these MA programmes under department of Creative Arts (coursework and Dissertation mode) will be assessed as follows;

50% - Coursework
50% - Final examinations
100% - Dissertation

For Dissertation:

Candidates who have successfully completed the coursework phase will be allowed to proceed to the dissertation phase. (*Note that assessment and examinations will be conducted in accordance with the General Regulations and Guidelines for postgraduate Programmes of the University of Dar es Salaam 2013*). The terminal period of nine months is directed towards the completion of a dissertation. The dissertation is done after the candidate completes and passes the coursework. The MA degrees will not be granted until the dissertation has been satisfactorily completed.

DEPARTMENT OF LITERATURE

1. Introduction

The Department of Literature under the College of Humanities offers one master's degree programme, namely Master of Arts in Literature – MA (Literature).

2. Objectives of the Programme

The objectives of this postgraduate programme are to:

i.   extend the existing generalised undergraduate studies by offering specialised teaching and instruction at an advanced level to meet Tanzania's immediate professional needs;

ii.   create awareness of the problems of African development and a personal commitment to humanistic knowledge in Tanzania;

iii. encourage an interdisciplinary approach and joint research among all the University's humanities departments; and

iv. generate teaching and research materials with direct relevance to contemporary policy issues in Tanzania.

3. Entry Requirements

To be eligible for admission to this programme offered by this department, the candidate must fulfill the following conditions:

i. A relevant bachelor's degree or its equivalent

ii. Positive recommendations from the minimum of two referees

4. Programme Structure

MA Literature is being offered by both coursework and dissertation and thesis modes. The coursework and dissertation mode consist of nine months of instruction, followed by a terminal period of nine months of writing a dissertation. The instructional period is divided into two semesters, consisting of 15 teaching weeks and a 2-week period for revision and semester examinations.

5. List of Courses
MASTER OF ARTS IN LITERATURE – MA (LITERATURE)
Year 1: Semester I
Core Courses

Course Code	Course Title	Credits
LT 610	Literary Theory and Criticism	12
LT 611	Evolution of African Writing	12
LT 612	Studies in the Epic	12
LT 614	Trends in Modern Literature	12

Elective Courses

Course	Course Title	Credits
LT 615	Linguistic Studies of the Novel	12
LT 619	Perspectives in Writing	12

Semester II
Core Courses

Course Code	Course Title	Credits
LT 616	Research Methods	12
LT 617	Folklore and Society	12
LT 618	Postcolonial Literature	12
LT 620	Sociology of Literature	12

Elective Courses

Course	Course Title	Credits
LT 600	Dramaturgy and Dramatic Literature	12
LT 613	Prisons and Exile Literature	12

Year 2
Core Courses

Course Code	Course Title	Credits
LT 699	Dissertation	60

6. Programme Evaluation and Examinations

Assessment

MA Literature is an 18-month master's programme with 180 minimum credits. A minimum of 120 credits must be attained to complete the coursework portion of the programme. In the first year, a student must take 5 courses per semester making it a total of 10 courses equaling to 120 credits to be accomplished in the first nine months of the programme.

For Dissertation:

Candidates who have successfully completed the coursework phase will be allowed to proceed to the dissertation phase. (*Note that assessment and examinations will be conducted in accordance with the General Regulations and Guidelines for postgraduate Programmes of the University of Dar es Salaam 2013*). The terminal period of nine months is directed towards the completion of a dissertation. The dissertation is done after the candidate completes and passes the coursework and shall weigh 60 credits. This MA degree will not be granted until the dissertation has been satisfactorily completed.

DEPARTMENT OF PHILOSOPHY AND RELIGIOUS STUDIES

1. Introduction

The department of Philosophy and Religious Studies under College of Humanities offers one master's degree programme, namely Master of Arts in Ethics of Governance and Public Services – MA (Ethics of Governance and Public Services).

2. Objectives of the Programme

The objectives of this postgraduate programme are to:

i.   extend the existing generalised undergraduate studies by offering specialised teaching and instruction at an advanced level to meet Tanzania's immediate professional needs;

ii.   create awareness of the problems of African development and a personal commitment to humanistic knowledge in Tanzania;

iii.   encourage an interdisciplinary approach and joint research among all the University's humanities departments; and

iv.   generate teaching and research materials with direct relevance to contemporary policy issues in Tanzania.

3. Entry Requirements

To be eligible for admission to MA (Ethics of Governance and Public Services) programme, the candidate must fulfill the following conditions:

i.   a relevant bachelor's degree or its equivalent

ii.   positive recommendations from the minimum of two referees

4. Programme Structure

MA Ethics of Governance and Public Services programme is being offered by both coursework and dissertation and thesis modes. The coursework and dissertation mode consists of nine months of instruction, followed by a terminal period of nine months of writing a dissertation. The instructional period is divided into two semesters, consisting of 15 teaching weeks and a 2-week period for revision and semester examinations.

5. List of Courses

MASTER OF ARTS IN ETHICS OF GOVERNANCE AND PUBLIC SERVICES

Year 1: Semester I

Core Courses

Course Code	Course Title	Credits
PL 611	Ethical Theory	12
PL 621	Legal Aspects of Governance and Public Service	12
DS 623	Governance for Development	12
PL 631	Ethics in Public Administration	12
DS 690	Research Methodology I	12

Elective Courses

Course Code	Course Title	Credits
PL 311	Professional and Civic Ethics	12
PL 351	Business Ethics	12
PA 603	Administrative Theory: Concepts, Models and Paradigms	12
DS 665	Political Thought for Development	12

Year 1: Semester II
Core Courses

Course Code	Course Title	Credits
PL 612	Methods of Practical Ethics	12
PL 622	Social Ethics and Political Ethics	12
PL 632	Public Service Ethics in Tanzania	12
DS 691	Research Methodology II	12

Elective Courses

Course Code	Course Title	Credits
PL 652	Public Health Ethics	12
PL 322	Development Ethics and Global Justice	12
PL 332	Ethics of Leadership and Management	12
PL 232	Climate Change and Environmental Ethics	12
DS 649	Globalisation and Development	8

Year 2

PL 699	Dissertation	60

6. Programme Evaluation and Examinations
Assessment

The Master of Arts in Ethics of Governance and Public Services is an 18-month master's programme consisting of two semesters of coursework plus writing of a Master dissertation. A student has to take at least 5 courses (60 credits) per semester, but can, with special permission, take 6 courses (72 credits) per semester. The programme also requires a student to acquire 60 credits for their MA Dissertation.

For Dissertation:

Candidates who have successfully completed the coursework phase will be allowed to proceed to the dissertation phase. (*Note that assessment and examinations will be conducted in accordance with the General Regulations and Guidelines for postgraduate Programmes of the University of Dar es Salaam 2013*). The terminal period of nine months is directed towards the completion of a dissertation. The dissertation is done after the candidate completes and passes the coursework and shall weigh 60 credits. This MA degree will not be granted until the dissertation has been satisfactorily completed.

DEPARTMENT OF FOREIGN LANGUAGES AND LINGUISTICS

1. Introduction
The department of Foreign Languages and Linguistics under College of Humanities offers one master's degree programme namely Master of Arts in Linguistics – MA (Linguistics).
2. Objectives of the Programme

The objectives of this postgraduate programme are to:

i. extend the existing generalised undergraduate studies by offering specialised teaching and instruction at an advanced level to meet Tanzania's immediate professional needs;

ii. create awareness of the problems of African development and a personal commitment to humanistic knowledge in Tanzania;

iii. encourage an interdisciplinary approach and joint research among all the University's humanities departments; and

iv. generate teaching and research materials with direct relevance to contemporary policy issues in Tanzania.

3. Entry Requirements

To be eligible for admission, the candidate wishing to pursue MA in Linguistics by Coursework and Dissertation must fulfill the following conditions:

i. A second-class degree of the University of Dar es Salaam or an equivalent degree from a recognised institution of higher learning.

ii. Candidates with Pass Degrees may also be considered for admission if their undergraduate performance in the proposed subject of study was a B grade or higher, and if they have satisfied the relevant College/School/Institute regarding their academic potential through subsequent research experience and/or additional training.

iii. Candidates with a coursework average of B+ or higher in specified postgraduate diplomas may upgrade to registration for a dissertation leading to a relevant master's degree.

For MA in Linguistics programme by thesis, a candidate must have at least an upper second degree in the relevant field.

4. Programme Structure

MA (Linguistics) programme is being offered by both coursework and dissertation and thesis modes. The course and dissertation mode consists of nine months of instruction, followed by a terminal period of nine months of writing a dissertation. The instructional period is divided into two semesters, consisting of 15 teaching weeks and a 2-week period for revision and semester examinations.

5. List of Courses
MASTER OF ARTS IN LINGUISTICS
STREAM A: Theoretical Linguistics
Semester I
Core Courses

Course Code	Course Title	Credits
ML 631	Advanced Phonology	12
ML 632	Advanced Morphology	12
ML 633	Advanced Syntax	12

Elective Courses

Course Code	Course Title	Credits
ML 630	Articulatory and Acoustic Phonetics	12
ML 634	Advanced Semantics	12
ML 635	Theory and Practice in Writing	12
ML 637	Translation	12
ML 639	Corpus Linguistics	12
ML 640	Contact Linguistics	12
ML 641	Advanced Historical and Comparative Linguistics	12

Semester II
Core Courses

Course Code	Course Title	Credits
ML 647	African Language Structures	12
ML 648	Linguistics Field Methods	12
ML 650	Research Methods for Linguists	12

Elective Courses

Course Code	Course Title	Credits
ML 646	Stylistics	12
ML 648	Linguistics Field Methods	12
ML 649	Postgraduate Seminar (*recommended*)	12
ML 651	Discourse Analysis	12
ML 638	Lexicography	12
ML 636	Sociolinguistics of International Languages	12

Year 2

Course Code	Course Title	Credits
ML 699	Dissertation	60

STREAM B: English Language Teaching
Semester I
Core Courses

Course Code	Course Title	Credits
ML 631	Advanced Phonology	12
ML 632	Advanced Morphology	12
ML 633	Advanced Syntax	12

Elective Courses

Course Code	Course Title	Credits
ML 634	Advanced Semantics	12
ML 635	Theory and Practice in Writing	12
ML 637	Translation	12
ML 639	Corpus Linguistics	12
ML 640	Contact Linguistics	12
ML 642	Psycholinguistics	12
ML 646	Stylistics	12

Semester II
Core Courses

Course Code	Course Title	Credits
ML 643	Advanced Second Language Acquisition	12
ML 644	Language Course Design – Syllabus and Materials	12
ML 650	Research Methods for Linguists	12

Elective Courses

Course Code	Course Title	Credits
ML 645	Language Assessment and Evaluation	12
ML 649	Postgraduate Seminar (*recommended*)	12
ML 651	Discourse Analysis	12
ML 638	Lexicography	12
ML 636	Sociolinguistics of International Languages	12

Year 2

Course Code	Course Title	Credits
ML 699	Dissertation	60

6. Programme Evaluation and Examinations
Assessment:
The Master of Arts in Linguistics is an 18-month master's programme consisting of two semesters of coursework plus writing of a Masters dissertation. A student has to take at least 5 courses (60 credits) per semester, but can, with special permission, take 6 courses (72 credits) per semester. The programme also requires the student to acquire 60 credits for their MA Dissertation.
For Dissertation:
Candidates who have successfully completed the coursework phase will be allowed to proceed to the dissertation phase. (*Note that assessment and examinations will be conducted in accordance with the General Regulations and Guidelines for postgraduate Programmes of the University of Dar es Salaam 2013*). The terminal period of nine months is directed towards the completion of a dissertation. The dissertation is done after the candidate completes and passes the coursework and shall weigh 60 credits. This MA degree will not be granted until the dissertation has been satisfactorily completed.

PhD PROGRAMMES OFFERED BY CoHU
The College of Humanities has facilities in all departments to enable students to undertake advanced research under supervision for PhD degrees of the University of Dar es Salaam. Currently, all PhD programmes are offered by thesis only and all are being offered by either full or part-time bases.

PhD PROGRAMMES PER OFFERING DEPARTMENT
1. Introduction
The College offeres the following programmes within the following departments;

S/N	Degree Programme	Hosting Department
1	Doctor of Philosophy (PhD) in History (Full-time and Part-time)	History
2	Doctor of Philosophy (PhD) in Archaeology (Full-time and Part-time)	Archaeology and Heritage Studies
3	Doctor of Philosophy (PhD) in Heritage Management (Full-time and Part-time)	Archaeology and Heritage Studies
4	Doctor of Philosophy (PhD) in Fine Arts (Full-time and Part-time)	Creative Arts
5	Doctor of Philosophy (PhD) in Music (Full-time and Part-time)	Creative Arts
6	Doctor of Philosophy (PhD) in Theatre (Full-time and Part-time)	Creative Arts
7	Doctor of Philosophy (PhD) in Linguistics (Full-time and Part-time)	Foreign Languages and Linguistics
8	Doctor of Philosophy (PhD) in Literature (Full-time and Part-time)	Literature
9	Doctor of Philosophy (PhD) in Religious Studies (Full-time)	Philosophy and Religious Studies

10	Doctor of Philosophy (PhD) in Comparative Religions (Full-time)	Philosophy and Religious Studies
11	Doctor of Philosophy (PhD) in Philosophy (Full-time)	Philosophy and Religious Studies
12	Doctor of Philosophy in Communication Studies (Full-time)	Centre for Communication Studies

2. Entry Requirements

To be eligible for admission, the candidate wishing to pursue PhD programmes offered by College of Humanities must fulfill all the requirements as prescribed per General Regulations and Guidelines of Postgraduate Programmes 2018.

3. Programmes Structure

All PhD programmes offered under the College of Humanities are currently being offered by thesis only and they are being provided on both full-time and part-time bases.

4. Programme Evaluation and Examinations

Evaluation of PhD by Thesis is 100%.

PRINCIPAL ADDRESSES OF THE COLLEGE OF HUMANITIES

Address	Telephone	Ext.	E-Mail
Principal College of Humanities P. O. Box 35051 Dar es Salaam	+255 22 2926610	2043/2049	pcohu@udsm.ac.tz
Director Centre for Communication Studies College of Humanities P. O. Box 35040 Dar es Salaam	+255 22 2926611	2485/2405	comstudies@udsm.ac.tz
Coordinator Humanities Research Centre College of Humanities P. O Box 35051 Dar es Salaam		2493/2402	hrc@udsm.ac.tz
Coordinator Postgraduate Studies College of Humanities P. O. Box 35051 Dar es Salaam		2482/2487	pgscohu@udsm.ac.tz
Coordinator Undergraduate Studies College of Humanities P. O. Box 35051 Dar es Salaam	+255 22 2926613	2482/2487	ugscohu@udsm.ac.tz
Coordinator		2481/2487	ptcohu@udsm.ac.tz

Practical Training College of Humanities P. O. Box 35051 Dar es Salaam			
Principal Administrative Officer College of Humanities P. O. Box 35051 Dar es Salaam	+255 22 2410247	2303	paocohu@udsm.ac.tz
Head Department of Creative Arts College of Humanities P. O. Box 35044 Dar es Salaam		2037/2182	fpa@udsm.ac.tz
Head Department of Foreign Languages and Linguistics College of Humanities P. O. Box 35040 UDSM es Salaam		2042/2302	foreignlanguages@udsm.ac.tz
Head Department of History College of Humanities P. O. Box 35050 Dar es Salaam		2217/2216	history@udsm.ac.tz
Head Department of Literature College of Humanities P. O. Box 35041 Dar es Salaam		2045/2311	literature@udsm.ac.tz
Head Department of Archaeology and Heritage Studies College of Humanities Dar es Salaam	+255 22 2926612	2195/2191	archaeology@udsm.ac.tz
Head Department of Philosophy and Religious Studies College of Humanities Dar es Salaam		2312/2314	philosophy@udsm.ac.tz

CoHU STAFF LIST

Office of the Principal
Associate Professor and Principal
R. A. Upor, BAEd (Hons), MA (Dar), PhD (Georgia)

Coordinator, Humanities Research Centre (HRC)
G. E. Kimambo, BAEd, MA (Dar), PhD (Stellenbosch)

Coordinator, Postgraduate Studies
H. Ndomba, BAEd, MA (Dar), PhD (Stellenbosch)

Coordinator, Undergraduate Studies
Y. Komba, BAEd, MA (Dar), PhD (Stellenbosch)

Coordinator, Research, Publication and Consultancy
I. B. Fedeo, BAEd, MA (Dar), PhD (Makerere)

Coordinator, Practical Training
B. P. Msagalla, BAEd, MA (Dar), PhD (Stellenbosch)

Coordinator, Quality Assurance
I. B. Kivinge, BA (Jordan and Rome), MA (Jordan), PhD (Nairobi)

Principal Administrative Officer
R. R. Ngeve, BCOM – HRM (Dar), MA - HRM (UDOM)

Administrative Officer
D. W. Semkwiji, BA, MA (Dar)

Information Officer
A. C. Moshi, BSc (Dar)

Department of Creative Arts
Associate Professor and Head
D. N. Sanga, BA (Dar), MA (The Hague), PhD (Bayreuth)

Professor
I. D. Sanga, BA, MA (Dar), PhD (KwaZulu-Natal)

Associate Professor
D. N. Sanga, BA (Dar), MA (The Hague), PhD (Bayreuth)

Senior Lecturers
M. B. Ndomondo, BA, MA (Dar), PhD (Austin)
M. N. Mwakalinga, BA, MA (Dar), PhD (Kansas)
D. Z. Makukula, BA, MA (Dar), PhD (Berlin, Germany)
E. A. Mwakibete, BA, M.A, PhD (Dar)
K. A. Mkallya, BA, MA, PhD (Dar)
***K. E. Mapana, BA, MA (Dar), PhD (Washington)
***V. Shule, BA, MA (Dar), PhD (Mainz)

Lecturers
D. N. Enock, BA, MA, PhD (Dar)
H. A. Mohammed, BA, MA (Dar), MA (West Virginia), PhD (Ohio)
D. C. Njewele, BA, MA (Dar), MA (Witwatersrand), PhD (Dar)

I. A. Mbura, BA, MA, PhD (Dar)
E. E. Mgema, BA, MA, PhD (Dar)
***K. B. Kilonzo, BFA (North Texas), MA (Dallas), PhD (Dar)
Assistant Lecturers
A. G. Masawe, BA, MA (Dar)
B. J. Rugangira, B.A., M.A. (Dar)
A. P. Semiono, BA, MA (Dar)
S. S. Kimbokota, BA, MA (Dar)
* G. L. Kamara, BA, MA (Dar)

Tutorial Assistants
F. G. Niyonahabhonye, BA (Dar)
*L. A. Kazinduki, BA (Dar)
*P. W. Buretha, BA (Dar)

Principal Studio Instructors II
S. Ndibalema, BA, MA (Dar)
S. L. Mungy, Dip (Dar), MA (Westminster)
L. I. Sarakikya, BA (USIU), MA (ECU)

Instructor I
O. M. Majembe, BA (UDOM), MA (Dar)
M. C. Banyanka, BA (Arusha), MA (Dar)
J. L. Sanga, BA (Dar)
E. I. Nyabwa, BA (Dar)
C.S. Maembe, BA, MA (Dar)

Studio Instructors II
L.J. Sige, BA (Dar)
E. V. Shauri, BA (Dar)
E.B. Msangila, BA (Dar)
J. D. Silvery, BA (Dar)
P. I. Shora, BA (Dar)
E.F. Mtui,BA (Makumira)
Z.A. Gupta, BA (Dar)
J. L. Sanga, BA (Dar)
*A. A. Maulaga, BA (Dar)

Department of Foreign Languages and Linguistics
Lecturer and Head
C. I. Kilangi, BAEd, MA, PhD (Dar)

Associate Professors
G. C. Mapunda, BAEd, MA, PhD (Dar)
R. A. Upor, BAEd (Hons), MA (Dar), PhD (Georgia)
E. A. Msuya, BAEd, MA, PhD (Dar)

Senior Lecturers
A. D. Mallya, BEd, MA (Dar), PhD (Stellenbosch)
A. M. Keya, BA (Dar), MA (Birmingham), PhD (Dar)
N. B. Mtavangu, BAEd, MA (Dar), PhD (INALCO)
J. J. Taji, BAEd, MA, PhD (Dar)
G. E. Kimambo, BAEd, MA (Dar), PhD (Stellenbosch)
N. N. Asheli, BAEd, MA, PhD (Dar)
E. N. Shartiely, BAEd, MA (Dar), PhD (Stellenbosch)
B. P. Msagalla, BAEd, MA (Dar), PhD (Stellenbosch)

Lecturers
A. A. Rubera, BA (Nur), MA, PhD (Paris XIII)
A. F. Mulinda, BAEd, MA (Dar), PhD (Geneva)
F. R. Rutechura, BAEd, MA, PhD (Dar)
D. D. Makanjila, BAEd, MA (Dar), PhD (Stellenbosch)
G. G. Mwombeki, BAEd, MA (Dar), PhD (Stellenbosch)
C. I. Kilangi, BAEd, MA, PhD (Dar)
D. J. Nyakana, BAEd, MA, PhD (Dar)
P. L. Lunyili, BAEd, MA (Dar), PhD (Dar)
K. L. Mathayo, BAEd, MA, PhD (Dar)
I. C. Mussa, BAEd, MA, PhD (Dar)
L. P. Ngwasi, BAEd, MA (Dar), PhD (Gothenburg)
L.V. Mwinuka, BAEd (Iringa), MA, PhD (Dar)
I. P. Mwambapa, BAEd, MA, PhD (Dar)
G. F. Muganda, BAEd, MA, PhD (Dar)
F. N. Kristomus, BAEd, MA, PhD (Dar)

Assistant Lecturers
I. J. Sondoma, BAEd (Dar), MA (Cameroon)
A. J. Omar, BA, MA (Annaba)
J. B. Lwimbo, BAEd, MA (Dar)
M. M. Matina, BAEd, MA (Dar)
* G. M. Moses, BA, MA (Dar)
*O. M. Mwampalile, BAEd, MA (Dar)
*N. A. Ngoda, BA (Dar), MA (Cameroon)
*E. M. Msambwa, BAEd, MA (Dar)

Department of Literature
Senior Lecturer and Head
Y. C. Ng'umbi, BAEd, MA (Dar), PhD (Stellenbosch)

Associate Professors
M. M. Andindilile, BA, MA (Dar), MA (City), MPhil, PhD (Fordham)
E. S. Mwaifuge, BA (Dar), Cert (W. Michigan), MA, PhD (Dar)

Senior Lecturers
M. Y. M. Silkiluwasha, BAEd, MA (Dar), PhD (Illinois)
J. X. Wakota, BEd, MA (Dar), PhD (Stellenbosch)
Y. C. Ng'umbi, BAEd, MA (Dar), PhD (Stellenbosch)E. P. Lema, BAEd, M.A, PhD (Dar)

Lecturers
N. E. Laizer, BAEd, MA (Dar), PhD (Stellenbosch)
I. B. Fedeo, BAEd, MA (Dar) PhD (Makerere)
E. M. Kweka, BEd, MA, PhD (Dar)
M. N. Musagasa, BAEd, MA, PhD (Dar)
D. K. Nyanda, BAEd, MA (Dar), PhD (Stellenbosch)

Assistant Lecturers
D. P. Mdugala, BAEd, MA (Dar)
G. G. Lunyungu, BA (Dodoma), MA (Dar)
G. J. Michael, BAEd, MA (Dar)
*B. M. Mgaya, BAEd, MA (Dar)
*L. K. Herman, BAEd, MA (Dar)

*O. R. Kanyawana, BAEd, MA (Dar)
*S. E. Kiswaga, BAEd (Dar), MA (Airlangga)
*N. N. Shonde, BA; MA (Dar)
*H. E. Msilikale, BAEd, MA (Dar)
*R. N. Nzegenuka, BAEd, MA (Dar)

Department of History
Senior Lecturer and Head
H. R. Kangalawe, BAEd, MA (Dar), PhD (Stellenbosch)

Associate Professor
M. J. Chuhila, BAEd, MA (Dar), PhD (Warwick)

Senior Lecturers
H. R. Kangalawe, BAEd, MA (Dar), PhD (Stellenbosch)
O. J. Masebo, BAEd, MA, (Dar), PhD (Minnesota)
I. R. Magoti, BAEd, MA, PhD (Dar)
S. Nyanto, BA, MA (Dar), PhD (Iowa)
G. K. Ambindwile, BAEd, MA, PhD (Dar)
A. A. Kifyasi, BAEd, MA (Dar), MA (Zhejiang), PhD (Basel)
M. M. Sadock, BAEd (Dar), MA (Iowa), PhD (Dar)

Lecturers
G. G. Sumbai, BEd, MA, PhD (Dar)
J. F. Zotto, BAEd, MA, PhD (Dar)
H. H. Ndomba, BAEd, MA (Dar), PhD (Stellenbosch)
A. K. Onyiego, BAEd, MA, PhD (Dar)
Y. S. Komba, BAEd, MA (Dar), PhD (Stellenbosch)
R. E. Kirey, BAEd, MA (Dar), PhD (Humbort)
J. M. Paresso, BAEd, MA, PhD (Dar)
E. L. Mchome, BAEd, MA (Dar), PhD (Darmstadt)
F. F. Edward, BA, MA (Dar), PhD (Darmstadt)

Assistant Lecturers
D. S. Abia, BA, MA (Dar)
B. W. Mtechura, BAEd, MA (Dar)
C. P. Mgombere, BA, MA (Dar)
J. P. Mgaya, BAEd (RUCU), MA (SAUT)
S. Y. Sombe, BAEd (SAUT), MA (Dar)
A. A. Simba, BA, MA (LSE)
*J. B. Kuboja, BA (DUCE)., MA (Dar)

Department of Archaeology and Heritage Studies
Senior Lecturer and Head
E. A. Mjema, BA, MA (Dar), PhD (Frankfurt)

Associate Professors
E. T. Kessy, BA (Dar), MPhil. (Cambridge), PhD (Simon Fraser)
P. M. Bushozi, BA., MA (Dar), PhD (Alberta)
E. C. Lyaya, BA, MA (Dar), PhD (London)
E. B. Ichumbaki, BA, MA, PhD (Dar)
T. J. Biginagwa, BA, MA (Dar), PhD (York)

Senior Lecturers
E. A. Mjema, BA, MA (Dar), PhD (Frankfurt)
F. M. Masele, BA, MA (Dar), PhD (Alberta)
M. P. Itambu, BA, MA (Dar), PhD (Calgary)
R. N. Bigambo, BA, MA (Dar), PhD (Birmingham)
***N. Lwoga, BA (Kampala), MA (Dar), MA (OUT), PhD (Dar)
M. F. Chami, B.A. (UDOM), M.A. (UDSM), PhD. (Cottbus)

Lecturers
N. A. Rushohora, BA, MA (Dar), PhD (Pretoria)
S. M. Mwintondi, BA, M.A. PhD (Dar)
V. V. Silayo, B.A., M.A. (Dar), PhD (Latrobe)
M. J. Bundala, BA, MA (Dar), PhD (Calgary)

Assistant Lecturers
H. H. Kihanzah, BA, MA (Dar)
*S. R. Mark, BA., MA (Dar)

Tutorial Assistants
B. E. Ibare, BA (Dar)
I. U. Severine, BA (Dar)
J. A. Sabas, BA (Dar)
R. R. Kinabo, BA (Dar)

Department of Philosophy and Religious Studies
Lecturer and Head
M. F. Lyakurwa, BA (Urbaniana-Rsome), MA (Dar), PhD (Stellenbosch)

Professor
H. Lauer, BA (New York), BA (Accra), MA, PhD (New York)

Senior Lecturers
E. C. Magoti, BA, MA (Louvain), PhD (Birmingham)
I. B. Kivinge, BA (Jordan and Rome), M.A. (Jordan), PhD (Nairobi)

Lecturers
M. F. Lyakurwa, BA (Urbaniana Roma), MA (Dar), PhD (Stellenbosch)
P. J. Komu, BA (Jordan), MA (Dar), PhD (Stellenbosch)
E. C. Mgalula, BA (Nairobi), MA, PhD (Dar)

Assistant Lecturers
R. F. Shekibua, BA (Mwanza), M.A (Jordan)
A. I. Said, BA., MA (Dar)
A. P. Kato, BA, MA (Mwanza)
M. B. Odulaja, BA, MA (Mwanza)
W. J. Simon, BA (CUEA), MA (Dar)
*J. J. Coy, BA (Jordan), MA (Dar)
*S. Kuhumba, BA (Jordan), MA (Bangalore)
*V. W. Mujuni, BA (Rome), MA (Dar)
* P. T. Mosha, BA (Urbaniana), MA (Dar)
*L. S. Kitula, BA, MA (Dar)
*K. A. Mugisha, BA (Rome), MA (Jordan)

Centre for Communication Studies (CCS)
Lecturer and Director
Z. S. Ombijah, BA, MA (Dar), PhD (Essex)

Senior Lecturer
**P. C. Mdukula, BAEd, MA, PhD (Dar)
Lecturers
Z. S. Ombijah, BA, MA (Dar), PhD (Essex)
M. L. Karani, Cert (Monduli), BAEd, MA (Dar), PhD (Stellenbosch)
P. J. Luhende, BAEd, MA (Dar), PhD (Stellenbosch)
J. J. Olomy, BAEd, MA (Dar), PhD (Moi)

Assistant Lecturers
S. Edward, BA (DUCE), MA (Dar)
N. B. Fivawo, BA (SAUT), MA (Dar)
N. S. Kikoti, BAEd, MA (Dar)
R. M. Mahega, BA, MA (Dar)
R.C. Nkwiga, BAEd, MA (Dar)
R. Mwalubojo BAEd (Dar), MA (Cameroon)
N. O. Mwageni, BAEd, MA (Dar)
B.O. Luvanda, BA (Dar), MA (SAUT)
M. I. Athumani, BA (DUCE), MA (SAUT)
*R. K. Millambo, BA (Dar), MA (Eldoret)
*G. Y. Njiro, BAEd, MA (Dar)
*J. A. Msuya, BA, MA (Dar)
*Z. R. Geuza, BA (Dar), MSc (Eldoret)
*S. L. Kayuni, BAEd (Dar), MA (Dom)
*N. M. Mbope, BAEd, MA (Dar)

_____
*   On study leave
**   On Sabbatical
***   On Leave without pay/Secondmment

INTRODUCTION

The College of Information and Communication Technologies (CoICT) was established on 27th January, 2011. The establishment of CoICT was the University response to address the increasing demand for ICT experts in the country by strengthening its teaching, research and public service in the ICT-related disciplines through a more efficient utilisation of the available human and physical resources. The vision of the College is to become a leading center of excellence in teaching and learning, research, and consultancy in informatics, communication technologies, and virtual learning. The college comprises the following units:

i.   Department of Computer Science and Engineering (CSE)
ii. Department of Electronics and Telecommunications Engineering (ETE)
iii. Centre for Virtual Learning (CVL)

PROGRAMMES OFFERED BY THE COLLEGE

ProgrammeTitle	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non-Tanzanian (USD)
PGD in Electronics Engineering and Information Technology	Coursework and Report	Evening	12 months	2,600,000	4,020
Master of Science in Computer Science	Coursework and Dissertation	Full-time	24 months	6,412,500	8,040
Master of Science in Computer Science	Coursework and Dissertation	Evening	24 months	6,412,500	8,040
Master of Science in Computer Science	Thesis	Full-time	24 months	4,200,000	6030
Master of Science in Communication and Network Engineering	Coursework and Dissertation	Evening	24 months	6,412,500	8,040
	Thesis	Full-time			
Master of Science in Electronics Science and Communication	Thesis	Full-time	24 months	4,200,000	6030
Master of Science in Health Informatics	Coursework and Dissertation	Evening	24 months	6,412,500	8,040
Master of Science in Electronics Engineering and Information Technology	Coursework and Dissertation	Evening	24 months	6,412,500	8,040

Master of Science in Electronics Engineering and Information Technology	Thesis	Full-time	24 months	4,400,500	6,030
Master of Science in Telecommunications Engineering	Thesis		24 months	4,400,500	6,030
	Coursework and Dissertation	Evening		6,412,500	8,040
Master of Science in Information Systems Management	Coursework and Dissertation	Evening	24 months	4,200,000	6,030
Master of Science in Information Systems Management	Coursework and Dissertation	Full-time	24 months	4,200,000	6,030
	Thesis				
Master of Science in Computer and IT Systems Engineering	Coursework and Dissertation	Evening	24 months	6,412,500	8,040
		Full-time	18 months		
Master of Science in Data Science	Coursework and Dissertation	Full-time	24 months	6,412,500	6,030
Doctor of Philosophy (PhD) in Computer Science	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year
		Part-time	60 months		
Doctor of Philosophy (PhD) in Electronics Science and Communication	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year
		Part-time	60 months		
Doctor of Philosophy (PhD) in Telecommunications Engineering	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year
		Part-time	60 months		
Doctor of Philosophy (PhD) in Communication and Network Engineering	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year
		Part-time	60 months		

Doctor of Philosophy (PhD) in Electronics Engineering and Information Technology	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Electronics Engineering and Information Technology	Thesis	Part-time	60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Computer and IT Systems Engineering	Coursework and Dissertation	Full-time	48 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Computer and IT Systems Engineering	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Information Systems Management	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Health Informatics	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Data Science	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering endeavours to provide quality teaching, research and public services in its core disciplines of computer science and computer engineering. Apart from providing academic and professional training excellence, the department also for many years has been engaging itself in providing research and consultancy services within its specialisation areas of information systems, software architecture and engineering, embedded and intelligent systems, networks and cybersecurity. Over the past 15 years, the department has undertaken various projects in the public sector from large scale software systems development, rolling out of software, development of training materials, and conducting training in large and complex contexts, such as health, water, agriculture, and road safety sectors. As a result, the department received various awards from its contributions in solving societal problems/challenges by using ICT.

The Department offers various training programmes at different levels from Certificate, Diploma, Bachelor, Master to PhD levels in Computer Science, Information Systems Management, Health Informatics, Business IT, Computer and IT Systems Engineering disciplines. The degree programmes help students become outstanding professionals, prepared to impact all manners of modern society through the application of cutting edge information technology. The theoretical and practical learning and teaching is provided using the available computing laboratories and infrastructure equipped with modern facilities. The department also participates in the nation-wide internship programmes to enable students to gain experience from the industry. The students participate in the practical training internships where they are attached to work with many ICT companies in the country. The department encourages internships as a great complement to formal class learning.

The Department of Computer Science and Engineering offers the following postgraduate programmes:

MASTER OF SCIENCE IN HEALTH INFORMATICS

1. Entry Requirements

To be eligible for admission into the programme, the applicant should normally satisfy all general UDSM's minimum requirements with the following additional requirements:

i. *Direct Entry Requirement*

This requires an undergraduate degree in Computer Science or a related field from a recognised institution with at least a lower second-class award (GPA of at least 2.7 out of 5). OR, an undergraduate degree in health or allied sciences from a recognised institution certified by TCU with at least a lower second-class award (GPA of at least 2.7 out of 5).

ii. *Equivalent Entry Requirement*

The candidate should have a postgraduate diploma in a relevant and respective field (either computer science related or health sciences) from a recognised institution certified by TCU with at least an upper second-class award (GPA 3.5 out of 5). In addition, candidates must have a principal level pass in Physics and Mathematics in ACSEE.

Duration:	24 months
Assessment:	Coursework: 50%
	Final examination: 50%
	Dissertation: Graded

2. Programme Structure

At the end of the programme, each student is required to complete a minimum of 180 credits, 120 credits contributed from taught courses (Core and Elective) and 60 credits from dissertation work.

3. List of Courses

Core Courses (Total Credits 160)			
Course Code	**Course Title**	**Credits**	**Semester**
IS 605	Research Methodology	12	II
IS 622	Enterprise systems and Modelling	8	I
IS 623	Information Systems Development and Implementation	12	I
IS 660	Monitoring and Evaluation for Health Programmes	8	II
IS 661	Healthcare Information Systems	8	II
IS 662	Principles and Methods of Epidemiology	12	II
IS 663	Public Health Statistics	12	II
IS 666	Integrated Health Information System Architecture	12	I
IS 668	Essentials of Healthcare System, Management, and Planning	8	I
IS 669	Concepts of Health Informatics	8	I
IS 699	Dissertation	60	

Elective Courses (at least 20 credits)			
Course Code	**Course Title**	**Credits**	**Semester**
IS 612	Advanced Database Management Systems	12	II
IS 619	Organisation and Management of Information Systems	12	I
IS 620	Information Security and Risk Management	12	I

IS 625	IT Projects and Change Management	12	I
IS 627	Advanced Object-Oriented Analysis and Design	12	II
IS 630	e-Waste and Disposal Management	8	I
IS 631	Advanced Data Warehousing and Data Mining	8	II
IS 632	Computer Law and Intellectual Property Rights	8	II
IS 633	Mobile Software Development	12	II
IS 641	Human Computer Interaction	12	II
IS 643	Database Management Systems	12	I
IS 646	Strategic Information Systems	12	II
IS 649	Principles of Geographic Information Systems	12	II

MASTER OF SCIENCE IN COMPUTER SCIENCE

1. Entry Requirements

To be eligible for admission into this programme, a student should satisfy the general University minimum requirements with the following additional requirements:

i. Direct Entry Requirement

The candidate should have an undergraduate degree in Computer Science or a related field from a recognised institution with at least a lower second class degree (GPA of at least 2.7 out of 5).

ii. Equivalent Entry Requirement

The candidate should have an advanced diploma in relevant and respective field with at least lower second-class award, or undergraduate degree with at least a pass in related field PLUS a postgraduate diploma in a relevant and respective field from a recognised institution certified by TCU with at least an upper second class degree (GPA of at least 3.5 out of 5).

Duration: 24 months
Assessment:
Coursework: 50%
Final examination: 50%
Dissertation: Graded

2. Programme Structure

At the end of the programme, each student is required to complete a minimum of 180 credits, 120 credits contributed from taught courses (Core and Elective) and 60 credits from dissertation work.

3. List of Courses
Core Courses (Total Credits 156)

Course Code	Course Title	Credits	Semester
IS 605	Research Methodology	12	II
IS 607	Artificial Intelligence	12	I
IS 611	Advanced Object Oriented Programming	12	I
IS 614	Multimedia Communication and Systems	12	II
IS 615	Parallel and Distributed Systems	12	II
IS 616	Advanced Algorithms and Complexity	12	I
IS 618	Advanced Systems Security	12	II
IS 625	IT Projects and Change Management	12	I
IS 699	Dissertation	60	

Elective Courses (at least 24 credits)

Course Code	Course Title	Credits	Semester
IS 612	Advanced Database Management Systems	12	II
IS 613	Data Communication and Networks	12	I
IS 617	Mobile and Pervasive Computing	12	II
IS 619	Organisation and Management of Information Systems	12	I
IS 626	ICT-based Entrepreneurship	8	II
IS 630	e-Waste and Disposal Management	8	I
IS 631	Advanced Data Warehousing and Data Mining	8	II
IS 632	Computer Law and Intellectual Property Protection	8	II
IS 641	Advanced Human Computer Interaction	12	II
IS 642	Advanced Computer Architectures	12	I
IS 644	Advanced Computer Graphics	12	I
IS 646	Strategic Information Systems	12	II
IS 648	Natural Language Processing	12	II
IS 649	Principles of Geographic Information Systems	12	II
IS 654	Cloud Computing	12	I
IS 645	Advanced Software Engineering	12	II
IS 676	Geospatial Data Management	12	II

MASTER OF SCIENCE IN INFORMATION SYSTEMS MANAGEMENT
1. Entry Requirements
To be eligible for admission into this programme, the student should satisfy the general University minimum requirements with the following additional requirements:

i. *Direct Entry Requirement*
The candidate should have an an Undergraduate Degree in Information Systems Management or a related field from a recognised institution with at least a lower second-class award (GPA of at least 2.7 out of 5).

ii. *Equivalent Entry Requirement*
The candidate should have an advanced diploma in relevant and respective field with at least lower second-class award, OR an undergraduate degree with at least a pass in related field PLUS a postgraduate diploma in a relevant and respective field from a recognised institution certified by TCU with at least an upper second class degree (GPA of at least 3.5 out of 5).

Duration: 24 months
Assessment:
Coursework: 50%
Final examination: 50%
Dissertation: Graded

2. Programme Structure
At the end of the programme, each student is required to complete a minimum of 180 credits, 120 credits contributed from taught courses (Core and Elective) and 60 credits from dissertation work.

3. List of Courses

Core Courses (total credits 156)

Course Code	Course Title	Credits	Semester
IS 605	Research Methodology	12	II
IS 620	Information Security and Risk Management	12	I
IS 621	Strategic Management of IT	8	II
IS 622	Enterprise Systems and Modelling	8	I
IS 623	Information Systems Development and Implementation	12	I
IS 624	Business Process Management	8	II
IS 625	IT Projects and Change Management	12	I
IS 626	ICT-based Entrepreneurship	8	II
IS 628	Emerging Web Technologies	8	I
IS 631	Advanced Data Warehousing and Data Mining	8	II
IS 699	Master Dissertation	60	

Elective Courses (at least 24 credits)

Course Code	Course Title	Credits	Semester
IS 611	Advanced Object Oriented Programming	12	I
IS 627	Advanced Object Oriented Analysis and Design	12	II
IS 629	Information Technology Services Management	12	I
IS 630	e-Waste and Disposal Management	8	I
IS 632	Computer Law and Intellectual Property Rights	8	II
IS 633	Mobile Software Development	12	II
IS 641	Advanced Human Computer Interaction	12	II
IS 646	Strategic Information Systems	12	II

MASTER OF SCIENCE IN COMPUTER AND IT SYSTEMS ENGINEERING

1. Entry Requirements

To be eligible for admission into this programme, the student should satisfy the general

University minimum requirements with the following additional requirements:

(i) Direct Entry Requirement

UQF level 8 with background in ICT related undergraduate programmes or Electrical Engineering related programmes which include ICT courses with at least a second class degree with a minimum GPA of 2.7 out of 5 from institutions recognised by TCU.

Candidates with pass degrees may also be considered for admission if:

a)   Their undergraduate performance in the proposed subject of study was a B grade or higher;

b)   They have satisfied UDSM regarding their academic potential through subsequent research experience and/or additional training

(ii) Equivalent Entry Requirement

A Postgraduate Diploma in ICT related programmes or Electrical Engineering related Programmes which includes ICT courses from an institution recognised by TCU or equivalent with at least an upper second class B+ award with a minimum GPA of 3.5 out of 5. Candidates with equivalent qualifications must also possess at least advanced secondary school certificates with a principal pass in both Physics and Mathematics.

Duration: 24 months
Assessment:
Coursework: 50%
Final examination: 50%
Dissertation: Graded

2. Programme Structure

At the end of the programme each student is required to complete a minimum of 180 credits, 120 credits contributed from taught courses (Core and Elective) and 60 credits from dissertation work.

3. List of Courses
Core Courses (Total Credits 156)

Course Code	Course Title	Credits	Semester
CS 602	Microprocessors and Embedded Systems	12	I
CS 605	Smart Grid	12	I
CS 606	Research Methods in Science and Engineering	12	II
CS 608	Optimisation and Operations Research	12	II
CS 610	Problem Driven Group Project	12	I&II
CS 621	Distributed Algorithms	12	I
CS 631	Mathematical Modelling and Methods	12	II
IS 607	Artificial Intelligence	12	I
CS 699	Dissertation	60	

Elective Courses (at least 24 credits)

Course Code	Course Title	Credits	Semester
CS 601	Systems Engineering	12	I
CS 603	Power Systems Operation and Control	12	II
CS 604	Power Systems Modelling	12	II
CS 607	Hardware Description Language	12	II
CS 609	Adaptive Control	12	II
CS 622	Cyber Security for Smart Grid	12	II
CS 623	Secure Software Design and Programming	12	I
CS 624	New Developments in Smart Grid	12	II
ES 630	Power Electronics	12	II
IS 611	Advanced Object Oriented Programming	12	I
IS 614	Multimedia Communication and Systems	12	II
IS 631	Advanced Data Warehousing & Data Mining	8	II
IS 654	Cloud Computing	12	I
TE 627	Ad-hoc and Sensor Networks	12	I
TE 631	Advanced Signal Processing	12	II
TE 633	Wireless Communication	12	I
TE 648	Powerline Communications	12	I

MASTER OF SCIENCE IN DATA SCIENCE
1. Entry Requirements
To be eligible for admission into this programme, the student should satisfy the general University minimum requirements as approved by the Senate with the following additional requirements:

i.   *Direct Entry Requirement*
     An undergraduate degree in Computer Science, Computer Engineering, Statistics, Mathematics or a degree in related field from a recognised institution certified by TCU with at least a lower second-class award (GPA of at least 2.7 out of 5).

ii. *Equivalent Entry Requirements*
     a)   Advanced Diploma in relevant and respective field with at least a lower second-class award and a postgraduate diploma in relevant field from a recognised institution certified by TCU with at least an upper second class (GPA of at least 3.5 out of 5), OR

b) An undergraduate degree with at least a pass in relevant/related field PLUS a postgraduate diploma in a relevant and related field from a recognised institution certified by TCU with at least an upper second-class GPA (of at least 3.5 out of 5).

Duration: 24 months
Assessment:
Coursework: 50%
Final examination: 50%
Dissertation: Graded

2. Programme Structure
At the end of the programme, each student is required to complete a minimum of 180 credits, 120 credits contributed from taught courses (Core and Elective) and 60 credits from dissertation work.

3. List of Courses
Core Courses (Total Credits 156)

Course Code	Course Title	Credits	Semester
CS 606	Research Methods in Science and Engineering	12	II
CS 610	Problem Driven Group Project	12	I&II
IS 670	Theories, Concepts and Trends in Data Science	12	I
IS 671	Programming in Python	12	I
IS 672	Statistical Methods for Data Science	12	I
IS 673	Machine Learning Algorithms	12	I
IS 674	Data Analysis, Visualisation and Use	12	II
IS 675	Big Data Analytics	12	II
IS 699	Masters Dissertation	60	

Elective Courses (at least 24 credits)

Course Code	Course Title	Credits	Semester
CS 631	Mathematical Modelling and Methods	12	II
IS 607	Artificial Intelligence	12	I
IS 626	ICT-based Entrepreneurship	8	II
IS 628	Emerging Web Technologies	8	I
IS 631	Advanced Data Warehousing and Data Mining	8	I
IS 643	Database Management Systems	12	I
IS 654	Cloud Computing	12	II
IS 676	Geospatial Data Management	12	II

MASTER OF SCIENCE BY THESIS
1. Entry Requirements
An undergraduate degree with at least an upper second class award with honours in a relevant field from the University of Dar es Salaam or any university recognised by TCU.

2. Duration
The registration period for the programme is 24 months for full-time students and up to 48 months for part-time students.

3. Assessment
Thesis is graded.

DOCTOR OF PHILOSOPHY

1. Entry Requirements

The candidate should have a master's degree in relevant fields from the University of Dar es Salaam or any university recognised by TCU.

2. Duration

The duration for this programme is three years for full-time candidates and five years for part-time candidates

3. Assessment

A PhD thesis is graded.

DOCTOR OF PHILOSOPHY IN COMPUTER AND IT SYSTEMS ENGINEERING
(By Coursework and Dissertation)

1. Entry Requirements

To be eligible for admission into this programme, the student should satisfy the general University minimum requirements. As the following additional requirements, an applicant should have a Masters' degree in either Computer and IT Systems Engineering or any ICT related programmes or in Electrical Engineering related programmes which include IT courses from institutions recognised by TCU.

2. Duration

The duration of the programme is 48 months.

3. Assessment

Coursework: 50%
Final examination: 50%
Dissertation: Graded

4. Programme Structure

At the end of the programme, each student is required to complete a minimum of 720 credits, 240 credits contributed from taught courses (Core and Elective) and 480 credits from dissertation work.

5. List of Courses

Core Courses (Total Credits 648)

Course Code	Course Title	Credits	Semester
CS 703	Communications and Control in Smart Grid	24	I
CS 704	Intelligent Control Systems	24	I
CS 705	Doctoral Seminars on Current Topics	24	2
CS 706	Problem Driven Group Project	24	I&II
CS 722	Big Data Analytics/Data Processing	24	I
CS 723	Data Acquisition and Real-Time Systems	24	II
ES 701	Sensors and Microsystems Electronics	24	II
CS 799	Dissertation	480	

Elective Courses (at least 72)

Course Code	Course Title	Credits	Semester
CS 701	Modelling and Simulation	24	I
CS 702	Sensor Data Fusion	24	II
CS 707	Theory of Computation	24	I
CS 708	Networks and Distributed Systems Security	24	I

CS 709	Advanced Topics in CITSE	24	II
CS 721	Distributed Computing Theory and Design	24	I
CS 724	Advances in Smart Grid Technologies and Application	24	II
TE 702	Communication Theory	24	II

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING

The Department of Electronics and Telecommunications Engineering is focused on teaching Electronics and Telecommunications courses to both undergraduate and postgraduate. Specifically, it runs programmes that produce experts in the Electronics and Telecommunications fields. Apart from teaching, the Department also engages in doing research in the following areas: Signal Processing in Wireless Communication, Signal Processing in Image and Video Processing, Through the Wall Radar System, Antenna Design and Fabrication, Emerging Communication Systems, Embeded Systems and Robotics, Circuit Design and Fabrication and Artificial Intelligence (AI) for Cutting Edge Technologies. As part of its core business, the Department further provides consultancy services and professional development courses to industrial partners. In consultancy, among several others, the Department offers professional and technical advice to the nation towards adapting TV white space band for internet provision in the country, specifically, in the rural areas. The Department is among the Fibre Optics Association accredited centres for providing Certified Fibre Optics Training (CFOT), which is the requirement for professionals working in the Fibre Optics based network.

The Department collaborates with industrial partners to ensure that students get experience as part of the given degree programme. This is commonly known as practical traning where students get opportunity to implement their theoretical understand in the real world. This helps graduates to have necessary skills, which enable them to be absorbed in the job market. Additionally, the Department works closely with the University in innovation to ensure the graduates are capable of employing themselves through the innovative ideas they have. Through this initiative, several graduates have managed to start their own companies while they were still at the University and then they employed themselves after studies. It is with all these motivation and success stories that the Department keeps on offering the following postgraduate programmes:

POSTGRADUATE DIPLOMA IN ELECTRONICS AND INFORMATION TECHNOLOGY

1. Entry Requirements

At least a bachelor's degree, advanced diploma or its equivalent from a recognised institution of higher learning in relevant fields of specialisation. Candidates with equivalent qualifications must also possess at least secondary school certificates with a credit pass.

2. Duration

The programme takes 12 months.

3. Assessment

Coursework: 50%
Final examination: 50%
Project: 40 credits

4. Programme Structure

The Postgraduate Diploma in Electronics and Information Technology is an evening mode programme that consists of a total of 120 credits. Candidates must complete 84 credits of the core course modules (inclusive of 40 credits of project) and any 36 credits to be chosen from a list of elective courses.

5. List of Courses

Core Courses (84 Credits)

Course Code	Course Title	Credits	Semester
ES 511	Electronics Engineering	12	I
CS 531	Information Systems	8	I
TE 599	Final Project	40	II
TE 571	Innovation and Entrepreneurship in ICT	12	II
TE 531	Communication Engineering	12	I
CS 540	Computer Networking	8	I
ES 560	Industrial Electronics	8	I
ES 514	Measurements and Instrumentations	8	II
CS 532	Mobile Application Development	8	II
CS 550	Embedded Systems Engineering	12	II

Elective Courses (at least 36 Credits)

Course Code	Course Title	Credits	Semester
CS 651	Introduction to Telecommunications Engineering	12	I
CS 660	Introduction to Computer and Software Engineering	12	I
CS 680	Computer Programming	12	II
DP 681	Network Analysis	8	I
DP 682	Network Synthesis	8	II
TE 651	Introduction to Telecommunications Engineering	12	II

MASTER OF SCIENCE IN ELECTRONICS ENGINEERING AND INFORMATION TECHNOLOGY

1. Entry Requirements

A degree with honours in a relevant field from the University of Dar es Salaam or any university recognised by TCU.

2. Duration

The registration period for the programme is 24 months for full-time students and up to 48 months for part-time students.

3. Assessment

Coursework: 50%
Final examination: 50%
Dissertation: 60 credits

4. Programme Structure

The Master of Science programme in Electronics Engineering and Information Technology is an evening programme which involves the completion of a total of at least 180 credits, 120 of which are core (including 60 units for dissertation) and 60 are from a list of elective courses. Full-time students must complete their coursework within the first two semesters of enrolment, while part-time candidates must complete their coursework within the first 36 months of enrolment.

5. List of Courses

Core Courses (120 Credits)

Course Code	Course Title	Credits	Semester
ES 619	Advanced Digital Filters	12	I
ES 625	Analogue and Digital Filters	12	I
IS 620	Information Security and Risk Management	12	I
IS 623	Information Systems Development and Implementation	12	I
TE 699	Dissertation	60	
IS 625	IT Projects and Change Management	12	I

IS 605	Research Methodology	12	II
ES 613	Electronics for Industrial Applications	12	II
ES 614	Medical Instrumentation	12	II
ES 621	Reconfigurable Hardware Design	12	II
ES 624	Image Processing	12	II

Elective Courses (at least 60 Credits)

Course Code	Course Title	Credits	Semester
CS 660	Introduction of Computers and Software Engineering	12	I
CS 661	Modern Control Theory	12	I
CS 662	Control Systems Analysis and Synthesis	12	I
CS 663	Instrumentation and Measurement I	12	I
CS 664	Instrumentation and Measurement II	12	II
CS 665	Computer-Based Techniques for Meas. and Control	12	II
EM 601	Mathematical Analysis	12	I
MG 632	Entrepreneurship Development	12	II
TE 651	Introduction to Telecommunications Engineering	12	II
TE 653	Integrated Electronics	12	II
TE 654	Optoelectronics	12	I
TE 655	Analogue Filters	12	I
TE 656	Digital Filters	12	I
TE 657	Digital Electronics	12	I
TE 658	Analogue Electronics	12	II
TE 659	Telecommunications Switching Principles	12	II

MASTER OF SCIENCE IN TELECOMMUNICATIONS ENGINEERING

1. Entry Requirements
A degree with honours in a relevant field from the University of Dar es Salaam or an equivalent degree from another recognised university

2. Duration
The registration period for the programme is 24 months for full-time students and up to 48 months for part-time students.

3. Assessment
Coursework: 50%
Final examination: 50%
Dissertation: 60 Credits (Graded)

4. Programme Structure
The Master of Science programme in Telecommmunications Engineering is an evening programme which involves the completion of a total of at least 180 credits, 124 of which are core (including 60 credits for dissertation) and 56 are from a list of elective courses. Full-time students must complete their coursework within the first two semesters of enrolment, while part-time candidates must complete their coursework within the first 36 months of enrolment.

5. List of Courses
Core Courses (124 Credits)

Course Code	Course Title	Credits	Semester
CS 680	Computer Programming	12	II
DP 681	Network Analysis	8	II
DP 682	Network Synthesis	8	II
EM 602	Numerical Analysis	12	I
TE 640	Signal Analysis	12	II

TE 641	Communication Theory	12	I
CS 650	Communications Electronics	12	I
TE 699	Dissertation	60	

Elective Courses (at least 56 Credits)

Course Code	Course Title	Credits	Semester
CS 650	Communications Electronics	12	I
EM 601	Mathematical Analysis	12	I
MG 632	Entrepreneurship Development	12	I
TE 642	Antenna Analysis	12	II
TE 643	RF and Microwave Measurement Techniques	12	II
TE 644	Digital Communications	12	I
TE 645	Optical Communications	12	II
TE 646	Microwave Circuits	12	I
TE 647	Satellite Communications	12	I
TE 648	Sound Broadcast Systems	12	I
TE 649	Television Systems	12	II
TE 651	Introduction to Telecommunications Engineering	12	I
TE 659	Telecommunications Switching Principles	12	II

MASTER'S DEGREE PROGRAMMES BY THESIS

1. Introduction

The Department offers 3 Masters programmes by thesis in the Electronics and Telecommunications Engineering fields. The programmes which are offered through research followed by writing a master's thesis are:

i.   Master of Science in Electronics Engineering and Information Technology
ii. Master of Science in Electronics Science and Communication
iii. Master of Science in Telecommunications Engineering

2. Entry Requirements

At least a upper second degree with honours in a relevant field from the University of Dar es Salaam or any university recognised by TCU.

3. Duration of the Programme

The registration period for the programme is 24 months for full-time students and up to 48 months for part-time students.

4. Assessment

The thesis is assessed in terms of pass or fail.

MASTER OF SCIENCE IN COMMUNICATION AND NETWORKING ENGINEERING

1. Entry Requirements

A degree with honours in a relevant field from the University of Dar es Salaam or any university recognised by TCU.

2. Duration

The registration period for the programmes is 24 months for full-time students and up to 48 months for part-time students.

3. Assessment

Coursework: 50%
Final examination: 50%
Dissertation: Graded

4. Programme Structure

The Master of Science programme in Communication and Networking Engineering is an evening programme which involves the completion of at least 180 credits, 120 of which are core (including 60 units for dissertation) and 60 are from a list of elective courses. Full-time students must complete their coursework within the first two semesters of enrolment, while part-time candidates must complete their coursework within the first 36 months of enrolment.

5. List of Courses

Core Courses (132 Credits)

Course Code	Course Title	Credits	Semester
IS 605	Research Methodologies	12	II
TE 623	Statistical Signal Processing	12	I
TE 625	Radio Frequency Planning	12	II
TE 647	Satellite Communications	12	II
TE 633	Wireless Communications	12	I
TE 636	Coding Theory	12	I
TE 699	MSc Dissertation	60	

Core Courses for Network Engineering Track (24 Credits)

Course Code	Course Title	Credits	Semester
TE 621	Network Programing in C	12	I
IS 613	Data Communication and Networks	12	I

Core Courses for Communications Engineering Track (24 Credits)

Course Code	Course Title	Credits	Semester
TE 629	Modelling of Communication Systems	12	II
TE 637	Microwave Engineering	12	II

Elective Courses (at least 60 Credits)

Course Code	Course Title	Credits	Semester
IS 614	Multimedia Communication and System	12	II
IS 618	Advanced Systems Security	12	II
TE 645	Optical Networks	12	II
TE 626	Tele-traffic Engineering	12	I
TE 627	Ad-hoc and Sensor Networks	12	I
TE 628	Cognitive Radio	12	II
TE 622	Network Protocols Analysis and Design	12	II
TE 624	Network Performance Evaluation	12	II
TE 635	Antenna Analysis and Design	12	I
TE 631	Advanced Signal Processing	12	I
TE 638	Blind Signal Processing	12	II
TE 627	Image Processing	12	I

DOCTOR OF PHILOSOPHY (PhD)

1. Entry Requirements

A candidate should have a master's degree in relevant fields from the University of Dar es Salaam or any university recognised by TCU.

2. Duration

The duration for the programme is three years for full-time candidates and five years for part-time candidates.

3. Assessment

PhD by Thesis is assessed in terms of Pass or Fail.
The PhD is graded by marks (see page 77 of the PG regulations Form UDSM. PG.F9).

CoICT STAFF LIST
Office of the Principal
Associate Professor and Principal
B. J. Maiseli, BSc, MSc (Dar), PhD (Harbin)

Administrative Staff
J. M. Buhenyenge, *Principal Administrative Officer I*
O. J. Massawe, *Accounts Officer II*
Z. H. Said, *Office Management Secretary I*
L. S. Nimrod, *Procurement Officer I*
T. R. Mashishanga, *Records Management Assistant I*
N. O. Kapinga, *Marketing Officer II*
J. J. Mfugale, *Driver II*
A. H. Khatib, *Driver II*

Department of Computer Science and Engineering
Senior Lecturer and Head
M. E. Mbise, BEng, PhD (Essex)

Professor Emeritus
N. H. Mvungi, BSc (Dar), MSc (Salford), PhD (Leeds)

Senior Lecturers
H. C. Kimaro, BSc (Dar), MSc (Delft), PhD (Oslo)
E. A. Kalinga, BSc (Mysore), MSc, PhD (Dar)
F. S. Ikuja, BSc, MSc, PhD (Dar)
M. E. Mbise, BEng (Essex), PhD (Essex)
J. T. Mbelwa, BSc, MSc (Dar), PhD (Beijing)
H. H. Maziku, BSc (Dar), MSc, PhD (Tennessee)
J. H. Lungo, BSc (Dar), MSc, PhD (Oslo)
J. S. Chambua, BSc, MSc (Dar), PhD (Beijing)
L. P. Binamungu, BSc (Dar), MSc (Hyderabad), PhD (Manchester)
D. C. Mnyanghwalo, BSc, MSc, PhD (Dar)

Lecturers
G. N. Justo, BSc (Dar), MSc (Harare), PhD (London)
A. F. Ally, BSc, MSc (Dar), PhD (Shanghai)
J. C. Mushi, BSc (Dar), MSc (Wuhan), PhD (Dar)
W. B. Nyamwihula, BSc, MSc, PhD (Dar)
S. H. Maro, BSc (Dar), MSc, PhD (Gothenburg)
**M. J. Mndeme, BSc, MSc (Dar), PhD (Leeds)
M. H. Mahundi, BSc, MSc, PhD (Dar)
K. F. Mwakisole, BSc, MSc, PhD (Dar)
W. F. Senyoni, BSc, MSc (Dar), PhD (Oslo)
H. J. Machiwa, BSc (Dar), MSc (London), PhD (Shanghai)
Y. Andengelile, BSc, MSc, PhD (Dar)
D. S. Rwegasira, BSc (Dar), MSc (Joensuu), PhD (Stockholm)
A. W. Kondoro, BSc (Dar), MSc, PhD (Stockholm)
M. A. Tunga, BSc, MSc, PhD (Dar)
A. T. Bitebo, BSc (Dar), MSc (Gothenburg), PhD (Dar)
A. J. Kigombola, BSc, MSc (Dar), PhD (Dar)
J. Damas, BSc (Kampala), MSc (Dar), PhD (Dresden)
A. R. Kivaisi, BSc (Dar), MSc (Cape Town), PhD (Beijing)

Assistant Lecturers
*H. L. Kalisti, BSc (Dar), MSc (Gothenburg)
*B. N. Mussa, BSc (Dar), MSc (Arusha)
*H. O. Muhomi, BSc, MSc (Dar)
*M. M. Sogorya, BSc (Dar), MSc (Beijing)
*M. M. Luambano, BSc, MSc (Dar)
*L. E. Mkonyi, Bsc (Dar), MSc (Arusha)
B. M. Mbwilo, BSc, MSc (Dar)
H. L. Mwasita, BSc, MSc (Dar)
*Z. A. Kaijage, BSc, MSc (Dar)
H. S. Lema, BSc, MSc (Dar)
*F. Kawasa, BSc (Dar), MSc (Beijing)
T. A. Kiobya, BSc, MSc (Wuhan)
*R.M. Mkechera, BSc (Delhi), MSc (Harbin)
S. Machera, BSc (Dar), MSc (Dar)
H. F. Ali, BSc (Dar), MSc (Dalian), MSc (Depok)
F. F. Mwakinyali, BSc (Ardhi), MSc (Dar)

Tutorial Assistants
*M. Masembo BSc (Dar)
H. Mkama, BSc (Dodoma)
*S. Hando, BSc (Dar)
L. E. Manyota, BSc (Mwenge)
E. J. Kasenga, BSc (Dodoma)

Technical Staff
Z. L. Musabalala, BSc, MSc (Dar)
*M. G. Kishiwa, Dip (Dar), BSc (Morogoro)
J. S. Mayunga, Adv. Diploma (Dar), MSc (Enschede), PhD (Texas)
P. A. Haule, BSc CE (Dodoma)
D. Masenga, Dip. , BSc (Dar)

Administrative Staff
M. B. Mutazamba, *Executive Assistant II*

Department of Electronics and Telecommunications Engineering
Senior Lecturer and Acting Head
G. M. Gadiel, BSc, MSc (Dar), PhD (Seoul)

Associate Professors
B. J. Maiseli, BSc, MSc (Dar), PhD (Harbin)
K. S. Ibwe, BSc (Dar), MSc (Chalmers), PhD (Dar)

Senior Lecturers
A. J. Mwambela, BSc (Dar), MSc (Durham), PhD (Dar)
H. U. Iddi, BSc, MSc (Dar), PhD (Johor Bahru)
C. J. Nyalusi, BSc (Dar), MSc, PhD (Essex)
I. E. Bulugu, BSc (Dar), MSc (Tianjin), PhD (Hefei)
G. M. Gadiel, BSc, MSc (Dar), PhD (Seoul)
J. P. Nombo, BSc, MSc, PhD (Dar)
M. I. Mchome, BSc, MSc, PhD (Dar)
S. J. Kawambwa, BSc, MSc, PhD (Dar)

Lecturers
L. V. Massawe, BSc (Dar), MSc (Okinawa), PhD (Bloemfontein)
N. E. Shililiandumi, BSc, MSc, PhD (Dar)
K. I. Mkocha, BSc, MSc, PhD (Dar)

G. W. Chugulu, BSc, MSc, PhD (Dar)
N. A. Nassor, BSc, MSc, PhD (Dar)
E. I. Shayo, BSc, MSc, PhD (Dar)
H. R. Mbembati, BSc, MSc, PhD (Dar)
K.G. Mkongwa, BSc (Dar), MSc (Tianjin), PhD (Harbin)

Assistant Lecturers
*H. G. Msuya, BSc, MSc (Dar)
*J. K. Stephen, BSc, MSc (Dar)
*
*J. S. Michael, BSc, MSc (Dar)
* R. F. Mwang'amba, BSc, MSc (Dar)
* S. M. Yahya, BSc, MSc (Dar)
* T. J. Ibrahim, BSc, MSc (Dodoma)
* A. E. Matemu, BSc (Dar), MSc (Seoul)
* F. S. Uledi, BSc (Blida), MSc (Nice)
*J. O. Mng'ong'o, BSc, MSc (Dar)
* F. M. Mkemwa, BSc, MSc (Dar)
* S. E. Kimambo, BSc (Dar), MSc(Dar)
* I. R. Swalehe, BSc (Dod), MSc(Dar)
*N. T. Kimaro, BSc (Dar), MSc(Essex)

Tutorial Assistants
B. B. Komba, BSc (Dar)

Technical Staff
T. S. Sapula, AdvDip, MSc (Dar)

K. N. Mashinga, Dip, BEng (Dar)

Administrative Staff
C. M. Msocha, Dip (Dar)

Centre for Virtual Learning
Senior Lecturer and Head
F. S. Ikuja, BSc, MSc, PhD (Dar)

Technical Staff
A. A. Kiluwasha, BSc (Dar), MSc (Kuala Lumpur)
H. T. Haule, BSc (Dar)
B. I. Saganda, Dip (Pwani), BA, PGD, MA (Dar)
G. M. Nkwera, AdvDip (Mwanza), PGD (Dar), MA (Eastern Cape)
M. A. Mkwenya, BSc (Dar)
M. F. Makungu, FTC, AdvDip, PGD (Dar)

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*On Study Leave
**On Sabbatical Leave

INTRODUCTION

The College of Natural and Applied Sciences (CoNAS) is one of the campus colleges of the University of Dar es Salaam (UDSM) established following the implementation of the new University's organisational structure in 2009. CoNAS evolved from the former Faculty of Science (FoS) that was established in 1965.

CoNAS comprises six teaching departments, namely:
i. Botany
ii. Chemistry
iii. Physics
iv. Mathematics
v. Molecular Biology & Biotechnology
vi. Zoology & Wildlife Conservation

In addition, the College has two service units, namely the Central Science Workshop (CSW) and Natural Sciences Consultancy Bureau (NSCoB).

PROGRAMMES OFFERED BY THE COLLEGE

The postgraduate programmes offered by the College are under the following categories:
i. Postgraduate Diploma
ii. Master of Science by Coursework and Dissertation
iii. Master of Science by Thesis
iv. Doctor of Phylosophy (PhD) by Coursework and Dissertation
v. Doctor of Philosophy (PhD) by Thesis

The following postgraduate programmes are offered by CoNAS (Tuition fees for each programme are shown in the last two columns):

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non Tanzanian (USD)
Postgraduate Diploma in Meteorology (PGD (Met.)	Coursework and Report	Evening	12 months	2,125,000	4,020
Master of Science in Chemistry	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040
Master of Science in Biochemistry	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040
Master of Science in Applied Botany	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040
Master of Science in Physics	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040
Master of Science in Medical Physics	Coursework and Dissertation	Full-time	36 months	12,000,000	12,060
Master of Science with Education	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non Tanzanian (USD)
Master of Science in Mathematical Modelling	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040
Master of Science in Mathematics	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040
Master of Science in Biodiversity Conservation	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040
Master of Science in Applied Zoology	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040
Master of Science in Applied Zoology	Thesis	Full-time	24 months	4,250,000	8,040
Master of Science in Botany	Thesis	Full-time	24 months	4,250,000	8,040
Master of Science in Wildlife Ecology	Thesis	Full-time	24 months	4,250,000	8,040
Master of Science in Biotechnology	Thesis	Full-time	24 months	4,250,000	8,040
Master of Science in Microbiology	Thesis	Full-time	24 months	4,250,000	8,040
Master of Science in Molecular Biology	Thesis	Full-time	24 months	4,250,000	8,040
Master of Science in Molecular Biology and Biotechnology	Thesis	Full-time	24 months	4,250,000	8,040
Master of Science in Chemistry	Thesis	Full-time	24 months	4,250,000	8,040
Master of Science in Physics	Thesis	Full-time	24 months	4,250,000	8,040
Doctor of Philosophy (PhD) in Environmental Sciences	Coursework and Dissertation	Full-time	48 months	2,500,000 per year	8,040
Doctor of Philosophy (PhD) in Mathematics	Coursework and Dissertation	Full-time	48 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Molecular Biosciences	Coursework and Dissertation	Full-time	48 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Biotechnology	Thesis	Full-time/Part-time	36 months/60 months	2,500,000 per year	4,020 per year

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non Tanzanian (USD)
Doctor of Philosophy (PhD) in Environmental Sciences	Thesis	Full-time	36 months/60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Microbiology	Thesis	Full-time/Part-time	36 months/60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Molecular Biology	Thesis	Full-time/Part-time	36 months, 60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Molecular Biology and Biotechnology	Thesis	Full-time/Part-time	36 months/60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Mathematics	Thesis	Full-time/ Part-time	36 months/60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Botany	Thesis	Full-time/ Part-time	36 months/60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Chemistry	Thesis	Full-time/ Part-time	36 months/60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Physics	Thesis	Full-time/ Part-time	36 months/60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Applied Zoology (Thesis)	Thesis	Full-time/ Part-time	36 months/60 months	2,500,000 per year	4,020 per year
Doctor of Philosopy (PhD) in Zoology	Thesis	Full-time/ Part-time	36 months/60 months	2,500,000 per year	4,020 per year
Doctor of Philosopy (PhD) in Wildlife Ecology	Thesis	Full-time/ Part-time	36 months/60 months	2,500,000 per year	4,020 per year

NB: Other fees are as shown in section 1.1: UDSM fee structure. In addition to tuition fee, postgraduate students are required to have a research fund which currently is at least TZS 10,000,000 and TZS 20,000,000 for Master and PhD students respectively. In case of lab intensive research done at CoNAS, 10% of the research fund shall be deposited to the corresponding account of the offering department to cater for major and centrally used consumables.

POSTGRADUATE DIPLOMA PROGRAMMES

POSTGRADUATE DIPLOMA IN METEOROLOGY
1. Introduction

This is a one-year programme offered by the Department of Physics with the aim of impacting graduates with advanced knowledge and skills in meteorology and its applications in solving practical problems for the development of the nation and the wider world.

2. Objectives of the Programme

i.   Enrolling science and engineering graduates into the field of meteorology to meet the national demand for qualified meteorologists.
ii.   Advancing meteorology in the country by producing postgraduates with proficiency in theoretical and practical aspects of the field.
iii. Producing postgraduates with the potential to pursue master's degree programme (MSc) in areas relevant to the economy of meteorology.

3. Entry Requirements

An advanced diploma (or equivalent) or a bachelor's degree in Science (with emphasis in Physics, Mathematics, Geography, Engineering or Environmental Sciences) from a recognised institution of higher learning. Candidates with equivalent qualifications must also possess at least secondary school certificates with a three credit pass.

4. Programme Structure

This is a part-time (evening) programme running for a period of one year (two semesters). The programme consists of coursework and a project report. During semester I, a student is required to take four core courses and at least one elective course. For semester 2, a student is required to take five core courses including a project. A student can also take one more course in each semester. To graduate from the programme, a student needs at least 120 credits.

5. List of courses

Core Courses

Year	Course Code and Title	Credits	Total Credits	Semester
1	MO 502: Remote Sensing	12	48	I
	MO 503: Introduction to Tropical Meteorology	12		
	MO 505: Dynamic Meteorology	12		
	PH519: Atmospheric Physics	12		
	MO506: Fundamentals of Numerical Weather Prediction	12	60	II
	MO 501: Weather Forecasting	12		
	MO 509: Synoptic Meteorology	12		
	MO 510: Global Climate Change	12		
	MO 514: Project	12		
TOTAL		**108**	**108**	

Elective courses

Year	Course Code and Title	Credits	Total Credits	Semester
1	MO 513: Boundary layer and Air pollution	12	24	**I**
	MO 504: Introduction to Marine Meteorology	12		
	MO 511: Aviation Meteorology	12	24	**II**
	MO 512: Agrometeorology	12		
TOTAL		**48**	**48**	

6.Programme Evaluation and Examinations
Assessment for the course with final examination will constitute a combination of continuous assessment (40%) and final examination (60%). The assessment for project (MO 514) will be 20% proposal writing, 20% oral presentations, and 60% final project report.

MASTER'S PROGRAMMES
All departments in the college offer master's degrees by thesis. In addition, the following master's programmes are offered by coursework and dissertation;

MASTER OF SCIENCE BY COURSEWORK AND DISSERTATION
MASTER OF SCIENCE IN BIODIVERSITY AND CONSERVATION
1. Introduction
The programme targets professionals who are working in biological related fields and intends to equip them with the biodiversity knowledge and conservation tools to work more professionally and confidently. This programme is offered by the Department of Zoology and Wildlife Conservation.

2. Objectives of the Programme
i.   Giving an account of both the major and special biotic groups on earth and in East Africa and indicate their inter-relatedness.
ii.   Giving an account of the major aquatic and terrestrial realms, biomes, biodiversity hotspots, landscapes, ecological zones and habitats globally and in East Africa and indicate their specific roles and inter-relatedness.
iii.   Explaining the conventions, acts, policies and regulations that relate to protection and utilisation of biota and habitats.
iv.   Confidently discussing natural and anthropogenic processes that influence the health status of ecosystems.
v.   Recognising and/or predicting deleterious processes and suggesting relevant and workable mitigation measures and monitoring protocols.
vi.   Using various methods and assessment tools in realising biodiversity conservation objectives.

3. Entry Requirements
Admission into the programme will be in accordance with the University of Dar es Salaam regulations relating to the postgraduate studies. Applying students will be required to have at least the first degree in Biology or related disciplines such as Forestry, Veterinary Science, Agriculture and Wildlife. Students with the first degree in areas such as Geography and Environmental Engineering will need to have taken and passed Biology in their high school training. Experience and literacy ination Technology will be considered an added advantage. Some students may be required to undertake prerequisite courses as indicated in the respective course outlines. This will be determined upon inspection of the candidates' previous training and experience.

4. Programme Structure
This is a taught programme comprising coursework and dissertation. It shall run for 24 months (two years) for full-time students. A main feature of this programme will be its emphasis on practical and analytical skills. It will be strongly student centred and students will undertake laboratory and field practical exercises and discussion seminars. There will be oral tests aimed at detecting ability of candidates to communicate their understanding of the topics. The coursework phase will run over a period of two semesters (each 15 weeks) with final examinations at the end of each semester. The second year shall be devoted to research and writing of the dissertation. To graduate, a student must complete a minimum of 180 credits consisting of all prescribed core and elective courses.

5. List of Courses
Year 1
Core Courses

Course Code	Course Title	Credits	Semester
BC 600	Fundamentals of Biodiversity Conservation	8	
BC 601	Invertebrate Diversity and Conservation	12	
BC 602	Conservation of Plant Diversity	12	
BC 603	Microbial Diversity and Conservation	12	
BC 604	Aquatic Biodiversity and Conservation	12	
BC 607	Diversity and Conservation of African Biome's	8	**II**
BC 608	Vertebrate Diversity and Conservation	12	
BC 610	Biodiversity Research Methods and Monitoring	12	
BC 611	Fire and Biodiversity	8	
	Total	**96**	

Elective Courses

Course Code	Course Title	Credits	Semester
BC 605	Biodiversity of Inhabited Areas	8	**I**
BC 606	Ethno-biology and Conservation	8	
*DE 628	Population Resources and Environment	12	
BC 612	Legislation and Policies in Biodiversity Conservation	8	**II**
BC 613	Emerging Issues in Biodiversity Conservation	8	
BC 614	Bioremediation	8	
BC 617	Restoration Ecology	8	
*IEM 606	Geographic Information Systems	4	
*IEM 633	Environmental Analytical Methods	4	

Year 2

Course Code	Course Title	Credits	Semester
BC 699	Dissertation	60	I & II

6. Programme Evaluation and Examinations
Final examination shall be held immediately upon completing a course. The weighing of this final examination in determining the grade for the course shall be University Examination carrying 50% and Continuous Assessment of the coursework 50%. Candidates will be required to have passed all core courses and attained an overall GPA of at least 3.0 before they can be allowed to proceed to the second year of study. The assessment of the research part consists of examination of the dissertation by an external and an internal examiner. The dissertation is graded; and to pass, a student needs to have grade B and above.

MASTER OF SCIENCE IN APPLIED ZOOLOGY
1. Introduction
This is a two-year programme offered by the Department of Zoology and Wildlife Conservation has the goal of developing scientists who will contribute to the improvement of crop and animal productivity. Parasites are leading causes of global morbidity and mortality, affecting the health of millions worldwide and exerting considerable constraint on development particularly here in Tanzania and Africa in general. The knowledge on the basic biological processes of insects and parasites is fundamental to understanding and pinpointing the 'how' of their lifestyles and in designing control strategies. On the other hand, the programme looks at how recent advances in physiology can be exploited to ensure sustainable healthy populations. This programme shall provide the modern integrated physiological knowledge with reference to environment, behaviour, adaptation, energetics and molecular processes in organisms.

2. Objectives of the Programme

i. Demonstrating advanced knowledge in the major sub-disciplines of applied zoology: entomology, parasitology, and physiology.

ii. Imparting Knowledge in the Management of Pest and Parasitic Diseases

iii. Demonstrating mastery in technical skills and experimental methods required to conduct research.

iv. Displaying ability to design, execute and interpret experimental studies.

v. Demonstrating ability to apply knowledge to establish and manage entomology, parasitology, and physiology in teaching, research and consultancy.

vi. Demonstrating scientific competence and intellectual maturity to assess the work of peers in related fields.

vii. Developing and writing a scientific research proposal as well as analysing, interpreting data and write a dissertation, scientific report and research papers.

3. Entry Requirements

Admission into the Applied Zoology programme will be in accordance with the University of Dar es Salaam postgraduate regulations. Applying students will be required to have at least the first degree in Biology, Zoology and related disciplines such as Veterinary Medicine, Animal Science, Biotechnology, Microbiology, Biochemistry or Public Health degree from from a recognised University. Applicants who lack some prerequisite subjects will be required to undertake recommended courses at undergraduate level.

4. Programme Structure

This is a taught programme comprising coursework and dissertation. It shall run for 24 months (two years) for full-time students and three years for part-time students. Students intending to follow the programme on a part-time basis will have to make early arrangements with the coordinator to ensure the smooth running of their schedules. The coursework phase will run over a period of two semesters (each 15 weeks) with final examinations at the end of each semester. The second year shall be devoted to research and writing of the dissertation. The programme will comprise two streams: Applied Entomology and Parasitology and Applied Physiology. There will be common core courses and stream-based core courses. To graduate, a student must complete a minimum of 180 credits consisting of all prescribed core and elective courses.

5. List of Courses

Course Code	Course Title	Credits	Semester
ZL 617	Insect Physiology	12	I
ZL 618	Immunology of Parasitic Infection	12	
BL 618	Immunology	12	
ZL 623	Molecular Biology of Parasites	12	
ZL 619	Biology and control of Non-Insect Pests	12	II
ZL 620	Vector Biology and Control	12	
BL 608	Bioinformatics	12	
WE 662	Wildlife Diseases and Parasitology	8	

Stream A – Applied Entomology and Parasitology

Year	Course Title	Credits	Semester
	BL 617: Molecular Biology	12	
	ZL 616: Insect Ecology, Pest and Vector Management	12	
	ZL 604: Protozoology and Helminthology	12	I
	Electives		
	BL 618: Immunology	12	
	ZL 617: Insect Physiology	12	

Year	Course Title	Credits	Semester
I	ZL 623: Molecular Biology of Parasites	12	
	BL 607: Biostatistics	12	II
	ZL 602: Biochemistry	12	
	BL 662: Biological Methods and Techniques	12	
	SC 601 Advanced Research Methods	12	
	Electives		
	ZL 618: Immunology of Parasitic Infection	12	
	ZL 619: Biology and Control of Non-Insect Pests	12	
	ZL 620: Vector Biology and Control	12	
	BL 608: Bioinformatics	8	
	Total Credits Core Courses	84	
	Total Credits (Core + Elective Courses	164	
II	**ZL 699: Dissertation**	**60**	
	Total Credits Year I + II	**224**	

Stream B - Applied Physiology

Year	Course Title	Credits	Semester
I	BL 617: Molecular Biology	12	I
	ZL 611: Molecular Physiology	12	
	ZL 612: Animal Reproductive Physiology	12	
	Electives		
	ZL 610: Metabolism and Bioenergetics	12	
	ZL 624: Neuroendocrinology and Behaviour	12	
	ZL 625: Physiology and Biochemistry of Nutrition	12	
	BL 607: Biostatistics	12	II
	ZL 602: Biochemistry	12	
	SC 601 Advanced Research Methods	12	
	BL 662: Biological methods and techniques	12	
	Electives		
	ZL 630: Physiology and the Environment	12	
	ZL 614: Reproductive Endocrinology	12	
	ZL 626: Biochemical Toxicology	12	
	ZL 628: Stress Physiology	12	
	ZL 629: Reproduction and Environment	12	
	Total Credits Core Courses	84	
	Total Credits (Core + Elective Courses)	156	
II	ZL 699: Dissertation	**60**	
	Total Credits Year I and II	**216**	

6. Programme Evaluation and Examinations

Final examination shall be held immediately upon completing a course. The weighting of this final examination in determining the grade for the course shall be University Examination 60% and Continuous Assessment of the coursework 40%. The average pass grade for all postgraduate courses must be at least "B." The assessment of the research part consists of examination of the dissertation by an external and an internal examiner. The dissertation is graded and to pass a student needs to have grade B and above.

MASTER OF SCIENCE IN APPLIED BOTANY
1. Introduction
The MSc degree in Applied Botany is a two-year taught programme comprising of coursework and dissertation offered by the Department of Botany. This programme intends to cater for local and international students who wish to develop their career in Applied Botany. To attain that, the programme

is packaged in such a way that it will expose the candidate to a wider range of botanical disciplines that have direct application in areas related to sustainable development some of which inspire self employment and entrepreneurship.

2. Objectives of the Programme

i.   Creating a critical mass of well-versed and competent botanists equipped with the necessary knowledge, skills and attitude to achieve sustainable development of the nation at large.

ii.   Building capacity and developing practical skills on various aspects related to plant including, but not limited to: classification and identification of plants;herbarium techniques; biodiversity and strategies for conservation; ethnobotany; causal-effect and mitigation strategies for environmental changes; plant breeding, propagation, phytoremediation and various techniques used for plant molecular researches etc

iii. Upon completion of this programme, students will be able to demonstrate knowledge mastery, skills and competence on application of botanical sciences in undertaking research and teaching plant related subjects.

3. Entry Requirements

For admission into the MSc in Applied Botany by Coursework and Dissertation, an applicant should hold one of the following undergraduate degrees: BSc Botanical Sciences/Botany, BSc General, majoring in Biology, BSc (Ed) majoring in Biology, Forestry, Agriculture and related disciplines from the University of Dar es Salaam or equivalent degrees from any other recognised institution which offers degrees in plant sciences.

4. Programme Structure

The programme is offered in the mode of coursework and dissertation, and the duration shall be two years, on a full-time basis. The first year will be spent on coursework while the second year shall be devoted to dissertation work. The candidate must pass a minimum of 180 credits, including all prescribed core courses i.e., coursework (minimum of 120 credits) and dissertation (60 credits).

5. List of Courses

Core Courses

Course Code	Course Title	Credits	Semester
BT 601	Advanced Plant Systematics	12	
BT 608	Plant Propagation	12	
BT 609	Applied Ecology and Management of Ecosystems	12	I
BC 602	Conservation of Plant Diversity	12	
BT 604	Applied Plant Genetics	12	
BT 603	Seaweed Culture and Processing	12	
SC 601	Advanced Research Methods	12	II
BT 605	Plant Protection	12	
Total		**96**	

Elective Courses

Course Code	Course Title	Credits	Semester
BT 607	Ecophysiology	12	
BT 612	Plant Biochemistry	12	I
BC 612	Legislation and Policies in Biodiversity Conservation	8	
BL 617	Molecular Biology	12	
BT 610	Ethnobotany	12	

BT 611	Advanced Economic Botany	12	
BC 617	Restoration Ecology	8	II
BC 614	Bioremediation	8	
BC 607	Diversity and Conservation of African Biomes	8	
BL 607	Biostatistics	12	
BL 662	Biological Methods and Techniques	12	
IEM 606	Geographical Information Systems and Remote Sensing	8	

Year 2

Course Code	Course Title	Credits	Semester
BT 699	Dissertation	60	I & II

6. Programme Evaluation and Examinations

For a student to be awarded MSc in Applied Botany, they must pass with a minimum of 180 credits of which 120 credits will be from coursework and 60 from the dissertation. The continuous assessment carries 50% and final examination carries 50%, except for courses that are shopped from other academic units which may have different weighting. For courses with strong practical components, continuous assessments carry 100%. To pass the coursework, a student must get a grade B and above in each course taken. The assessment of the research part consists of examination of the dissertation by external and internal examiners. The dissertation is graded; and to pass, a student needs to have grade of B and above.

MASTER OF SCIENCE IN APPLIED SCIENCE OF MATERIALS

1. Introduction

This is a two-year programme offered by Chemistry Department. The programme aims to train and produce graduates who can cope with the dynamics of the modern materials world. The programme shall provide theoretical and practical understanding about the science of materials thus equipping its graduates with the capability to become professionals as materials scientists who can serve both in materials production industries and the affiliated institutions. The programme consists of coursework part (first year) and dissertation in the second year.

2. Objectives of the Programme

i. Providing the country with sufficiently trained human resource in applied science of materials capable of being self-employed or employable in private and public sectors.

ii. Advancing relevant research in the area of applied science of materials to enhance innovation of new processes and products for industrial and technological applications.

iii. Enabling graduates attain advanced qualifications suitable to pursue PhD studies in areas related to applied science of materials in the country or abroad.

3. Entry Requirements

For admission into the MSc. (Applied Science of Materials) by coursework and dissertation, an applicant should hold a science first degree (where Chemistry is one of the subjects) of the University of Dar es Salaam or an equivalent degree from another recognised university. An applicant holding a pass degree can be admitted provided that she/he has an overall grade of B or higher in Chemistry at the undergraduate level.

4. Programme Structure

This programme runs on full-time basis for a period of two years (four semesters). The programme requires that a student must complete a minimum of 180 credits in the period of two years, i.e., a minimum of 120 credits of coursework in first year plus 60 credits of dissertation in the second year. Out of 120 credits of coursework, 72 credits will be attained from the prescribed core courses and the rest are accumulated from elective courses.

5.List of Courses
Year 1
Core Courses

Course Code	Course Title	Credits	Semester
CH 621	Metallurgy	12	
CH 623	Heterogeneous Equilibria and Phase Diagrams	12	I
CH 622	Organic Chemicals of Industrial, Agricultural and Medicinal Applications.	12	
CH 630	Advanced Analytical Chemistry and Instrumentation	12	
*SC 601	Advanced Research Methods	12	II
CH 620	Good Laboratory Practice and Quality Assurance	12	
Total		**72**	

Elective Courses

Course Code	Course Title	Credits	Semester
CH 610	Surface and Colloid Chemistry	8	
*CH 331	Chemometrics	8	I
CH 614	Molecular Imprinting Technology	12	
CH 615	Raw Materials for Industries and their Processing	12	
CH 624	Sustainable Energy Materials	12	
PD 631	Corrosion and Corrosion Control	12	I
CH 613	Advanced Environmental Chemistry	8	II
CH 618	Structure and Properties of Polymers	12	
PH 635	Nanotechnology	12	
*MK 301	Small Business and Entrepreneurship	8	

Year 2

Course Code	Course Title	Credits	Semester
CH 699	Dissertation	60	I & II

*   Students are allowed to opt up to a maximum of 16 credits of the recommended 300 series courses provided that they did not take those courses during their undergraduate programmes.

6. Programme Evaluation and Examinations

The assessment of the coursework part consists of continuous assessment which carries 40% and final examination 60%. To pass the coursework, a student must score a minimum of B grade in each course of the coursework component. The assessment of the research part consists of examination of the dissertation by an internal examiner and external examiner. The dissertation is graded; and to pass, a student needs to score a minimum of B grade.

MASTER OF SCIENCE IN PHYSICS
1. Introduction
The programme runs on full-time basis for a period of two years (four semesters). The overall goal of the programme is to produce human capacity in Physics that is needed to create technology-based economy. The programme was designed to meet the rapidly growing demand for qualified physicists in different sectors of the economy including research, regulatory bodies, industry, medicine and higher learning institutions in the country.

2. Objectives of the Programme

i.   Advancing physics in the country by producing graduates with proficiency in theoretical and practical aspects of the course.

ii.   Producing physics graduates to meet the growing demand for qualified physicists in different sectors of the economy.

iii. Producing graduates with the potential to pursue research degree programme (PhD) at home or abroad in areas relevant to the economy of the country.

3. Entry Requirements

A minimum of the second-class degree with a major in physics from a recognised institution of learning or a pass degree with an overall grade of B or above in Physics.

4. Programme Structure

The programme runs on full-time basis for a period of two years (four semesters). It consists of two parts: Coursework and research (dissertation). For the coursework part, a student must do five core courses during the first semester and three core courses and at least two elective courses for semester 2. The research part of the programme leading to a dissertation is done in the second year running through two semesters. The coursework component carries a minimum of 120 credits and the dissertation carries 60 credits. To graduate from the programme a student requires a minimum of 180 credits.

5. List of Courses

Core Courses

Course Code	Course Title	Credits	Semester
PH 611	Electrodynamics	12	I
PH 615	Computational Physics	12	
PH 616	Statistical Mechanics	12	
PH 613	Electronics	12	
PH 614	Advanced Experimental Physics	12 (6)	
PH 617	Quantum Mechanics	12	
PH 614	Advanced Experimental Physics	12 (6)	II
PH 618	Condensed Matter Physics	12	
PH 619	Nuclear Physics and Instrumentation	12	
Total		**96**	

Elective Courses: (Choose at least 24 Credits from one of the streams)

Stream (a)

Course Code	Course Title	Credits	Semester
PH 620	Aerosol Physics	12	II
PH 621	Atmospheric Dispersion and Air Quality Modelling	12	
PH 622	Atmospheric Boundary Layer and Turbulence	12	
PH 623	Physics of Sustainable Electricity Generation	12	

Stream (b)

Course Code	Course Title	Credits	Semester
PH 624	Nuclear Reactor Physics	12	II
PH 625	Nuclear Technique and Applications	12	
PH 626	Radiation Dosimetry and Protection	12	

Stream (c)

Course Code	Course Title	Credits	Semester
PH 627	Medical Electronics and Instrumentation	12	II
PH 628	Physics of Medical Imaging	12	
PH 629	Radiation Effects on Electronic Devices	12	

Stream (d)

Course Code	Course Title	Credits	Semester
PH 630	Introduction to Nanoelectronics and Nanoscale Materials	12	II
PH 635	Nanotechnology	12	

Year 2

Course Code	Course Title	Credits	Semester
PH 699	Dissertation	60	I & II

6. Programme Evaluation and Examinations

Assessment for the coursework part will constitute a combination of continuous assessment (40%) and final examination (60%) in the first year. The continuous assessment for courses which are entirely practical will carry 100%. Assessment of the final degree will consist of 120 credits for coursework and 60 credits for the dissertation.

MASTER OF SCIENCE IN MATHEMATICAL MODELLING

1. Introduction

This is a two-year programme offered by the Department of Mathematics. The programme aims to train graduates with a strong mathematical background needed for teaching, collaboration with industries and also for research. The programme consists of a coursework part (first year) and a research or dissertation part in the second year. The coursework component carries a minimum of 120 credits. The dissertation carries 60 credits. To graduate from the programme a student requires a minimum of 180 credits.

2. Objectives of the Programme

i.   Producing highly skilled mathematicians and problem solvers capable of promoting the teaching, research, applications and outreach of mathematics in the region and beyond.

ii.   Creating new opportunities for postgraduate research in mathematics.

iii. Contributing towards the production of mathematics professionals required for national and regional development.

iv.   Increasing experts of mathematical modelling in the region.

3. Entry Requirements

Direct entry admission into this programme will be based on possession of first degree, with a major in Mathematics.

4. Programme Structure

The programme runs on full-time basis for a period of two years (four semesters). It consists of two parts: coursework part and research (dissertation). For the coursework part, a student must do four core courses and at least one elective course during the first semester and three core courses and at least two elective courses for the second semester. A semester runs for 15 weeks and in each week, there are 8 learning hours. The second year of study is the research year. The first part of research is proposal writing. Once the proposal is approved, the research commences and at the end, a student must submit a dissertation for examination.

5. List of Courses

Course Code	Course Title	Status	Credits	Semester
MT 602	Numerical Analysis	Core	12	I
MT 619	Applied Functional Analysis	Core	12	
MT 663	Ordinary Differential Equations	Core	12	
MT 641	Advanced Mathematical Statistics	Core	12	
	Elective	Elective	12	
TOTAL			**60**	
MT 631	Stochastic Differential Equations	Core	12	I
MT 683	Partial Differential Equations	Core	12	
MT 604	Optimisation Methods of Operations Research	Core	12	

	Elective I	Elective	12	
	Elective II	Elective	12	
TOTAL			**60**	

Elective Courses:

Course Code	Course Title	Credits	Semester
MT 601	Advanced Probability Theory	12	II
MT 605	Advanced Linear Algebra	12	II
MT 609	Numerical solution of PDEs	12	II
MT 610	Complex Analysis	12	II
MT 628	Mathematical Finance and Insurance	12	I
MT 640	Numerical Linear Algebra	12	II
MT 643	Statistical Inference	12	I
MT 644	Stochastic Systems	12	II
MT 646	Bayesian Sampling methods	12	I
MT 647	Fourier Analysis	12	I
MT 652	Biomathematics	12	II
MT 659	Measure Theory and Integration	12	II
MT 660	Computer Programming	12	I
MT 664	Graph Theory	12	I
MT 665	Mathematical Packages for Scientific Computations	12	II
MT 672	Fluid Dynamics I	12	I

Course Code	Course Title	Credits
MT 699	Dissertation	60

6. Programme Evaluation and Examinations

The assessment of the coursework part consists of continuous assessment which carries 40% and final examination 60%. To pass the coursework, a student must get a grade B and above in each of courses. The assessment of the research part consists of examination of the dissertation by an external and an internal examiner. The dissertation is graded and to pass a student needs to have grade B and above.

MASTER OF SCIENCE IN MATHEMATICS

1. Introduction

The programme runs on full-time basis for a period of two years (four semesters). The programme aims to train graduates with a strong mathematical background needed for teaching and research. The programme consists of coursework (first year) and dissertation in second year. The coursework component carries a minimum of 120 credits and the dissertation carries 60 credits. To graduate from the programme, a student requires a minimum of 180 credits

2. Objectives of the Programme

i.   Producing highly skilled mathematicians and problem solvers capable of promoting the teaching, research, applications and outreach of mathematics in the region and beyond.
ii.   Creating new opportunities for postgraduate research in mathematics.
iii.   Contributing towards the production of mathematics professionals required for national and regional development.
iv.   Increasing experts of mathematics in the region.

3. Entry Requirement

Direct entry admission into this programme will be based on possession of first degree majoring in Mathematics.

4. Programme Structure

The programme runs on full-time basis for a period of two years (four semesters). It consists of two parts: coursework and research (dissertation). For the coursework part, a student must do four core courses and at least one elective course during the first semester and three core courses and at least two elective courses for the second semester. A semester runs for 15 weeks and in each week, there are 8 learning hours. The second year of study is the research year. The first part of research is proposal writing. Once the proposal is approved, the research commences and at the end a student must submit a dissertation for examination.

5. List of Courses

Course Code	Course Title	Status	Credits	Semester
MT 630	Differential Geometry	Core	12	
MT 674	Real Analysis	Core	12	
MT 619	Applied Functional Analysis	Core	12	
MT 663	Ordinary Differential Equations	Core	12	I
	Elective	Elective	12	
Total			**60**	
MT 605	Advanced Linear Algebra	Core	12	
MT 623	Commutative Algebra	Core	12	
MT 653	Topology	Core	12	II
	Elective – 1	Elective	12	
	Elective – 2	Elective	12	
Total			**60**	

Elective Courses

Course Code	Title	Credits	Semester
MT 602	Numerical Analysis	12	I
MT 608	Algebraic Geometry	12	II
MT 612	Galois Theory	12	II
MT 610	Complex Analysis	12	II
MT 616	Computational Algebra	12	I
MT 617	Algebraic Topology	12	II
MT 618	Combinatorics	12	I
MT 625	Logic and Set Theory	12	I
MT632	Algebra: Group and Ring Theories	12	II
MT 647	Fourier Analysis	12	I
MT 649	Number Theory and Cryptography	12	I
MT 659	Measure Theory and Integration	12	II
MT 660	Computer Programming	12	I
MT 664	Graph Theory	12	I
MT 665	Mathematical Packages for Scientific Computations	12	II
MT 699	**Dissertation**	**60**	

6. Programme Evaluation and Examinations

The assessment of the coursework part consists of continuous assessment which carries 40% and final examination 60%. To pass the coursework, a student must score a minimum of B grade in each course. The assessment of the research part consists of examination of the dissertation by an internal examiner and external examiner. The dissertation is graded; and to pass, a student needs to score a minimum of B grade.

MASTER OF SCIENCE IN CHEMISTRY

1. Introduction

This is a two-year programme offered by Chemistry Department. The MSc (Chemistry) by Course-work programme aims to train human resource engaged in issues of chemical technology, environment, and nanotechnology.

2. Objectives of the Programme

i.   To enable graduates to demonstrate proficiency in theoretical and practical aspects of chemistry.

ii.   To enable chemistry graduates to possess advanced skills to meet high demand of the labour market.

iii. To enable chemistry graduates to acquire advanced knowledge and qualifications suitable to pursue research and further studies (PhD) at home or abroad

3. Entry Requirements

An applicant must hold a science first degree (where chemistry is one of the subjects) of the University of Dar es Salaam or an equivalent degree from a recognised university. An applicant holding a Pass degree can be admitted provided she/he has an overall grade of B or higher in Chemistry at the Undergraduate level.

4. Programme Structure

This programme runs on full-time basis for a period of two years (four semesters). The programme requires a student to complete a minimum of 180 credits in two years, i.e., a minimum of 120 credits of coursework in first year plus 60 credits of dissertation in the second year. Out of 120 credits of coursework, 88 credits will be attained from the prescribed core courses and the rest are accumulated from elective courses.

5. List of Courses
Year 1
Core Courses

Course Code	Course Title	Credits	Semester
CH 617	Advanced Thermodynamics	12	
CH 609	Chemical Speciation	8	I
CH 606	Coordination Chemistry	12	
CH 607	Advanced Physical Organic Chemistry	12	
CH 608	Advances in Organic Synthesis	12	
CH 630	Advanced Analytical Chemistry and Instrumentation	12	II
CH 603	Solid State Chemistry	12	
CH 613	Advanced Environmental Chemistry	8	

Elective Courses

Course Code	Course Title	Credits
CH 394	Fundamentals of Theoretical Chemistry	12
CH 610	Surface and Colloid Chemistry	8
CH 611	Heterocyclic Chemistry	8
CH 612	Advanced Chemical Kinetics	12
*CH 331	Chemometrics	8
*CH 357	Fuel Chemistry and Technology	8
*CH 379	Organometallic Chemistry	12
CH 614	Molecular Imprinting Technology	12
CH 615	Raw Materials for Industries and their Processing	12
CH 616	Chemistry of Natural Products II	12
IEM 651	Entrepreneurship and the Environment	8
SC 601	Advanced Research Methods	12

*Students are allowed to opt up to a maximum of 16 credits of the recommended 300 series courses provided that they did not take those courses in their undergraduate programmes.

Year 2

Course Code	Course Title	Credits
CH 699	Dissertation	60

6. Programme Evaluation and Examinations

The assessment of the coursework part consists of continuous assessment which carries 40% and final examination 60%. To pass the coursework, a student must score a minimum of B grade in each course of the coursework component. The assessment of the research part consists of examination of the dissertation by an internal examiner and external examiner. The dissertation is graded and to pass, a student needs to score a minimum of B grade.

MASTER OF SCIENCE IN BIOCHEMISTRY

1. Introduction

The MSc (Biochemistry) is a two-year full-time programme comprising coursework and dissertation offered by Chemistry Department. It is intended for graduates who wish to engage in research, teaching, scientific laboratory management and careers in biochemistry, biotechnology, pharmaceutical industry, public health, agriculture and related fields. The programme focuses on recent advances in biochemistry and biochemical techniques with the aim of producing skilled graduates able to run food, beverage, agricultural and medical sectors successfully.

2. Objectives of the Programme

i. Producing trained graduates to fulfil the manpower requirements for biochemists in industrial, food, environmental, agricultural and biomedical fields in the country and the region.

ii. Producing biochemistry graduates capable of teaching and conducting research in biochemistry in areas relevant to the economy of the country.

iii. Producing graduates with the necessary competence required to establish and manage enterprises.

iv. Contributing towards alleviating the paucity of trained staff for the tertiary level institutions in the country.

3. Entry Requirements

The applying candidate should be a holder of the first degree majoring in Biochemistry, Chemistry, Biology, Microbiology, Biotechnology, Chemical Engineering, Nutrition Science, Environmental and Health Science, Veterinary Medicine, Nursing, Pharmacy, Animal Science, or Medicine. An applicant holding a pass degree can be admitted provided she/he has an overall grade of B or higher in the said courses at the Undergraduate Level.

4. Programme Structure

This programme runs on full-time basis for a period of two years (four semesters). The programme requires a student to complete a minimum of 120 credits of coursework, of which, 96 credits are prescribed as core courses and the rest are accumulated from elective courses. The programme comprises common core courses for both streams (60 credits) and specified stream core courses (36 credits). The coursework component is offered in the first year in two semesters, followed by a dissertation work (60 credits) in the second year of study.

5. List of Courses

Year 1

Common Core Courses

Course Code	Course Title	Credits	Semester
CH 651	Chemistry of Biomolecules	12	I
BL 617	Molecular Biology	12	
BN 601	Bioethics	12	II

BL 608	Bioinformatics	12	
SC 601	Advanced Research Methods	12	
	Total	**60**	

Core Courses for Industrial and Food Biochemistry Stream

Course Code	Course Title	Credits	Semester
MC 601	Microbial Biochemistry	12	
CH 659	Food and Nutrition Biochemistry	12	I
ZL 625	Physiology and Biochemistry of Nutrition	12	
	Total	**36**	

Core Courses for Environmental and Agricultural Biochemistry Stream

Course Code	Course Title	Credits	Semester
ZL 626	Biochemical Toxicology	12	I
BT 612	Plant Biochemistry	12	
BN 604	Recombinant Genetic Bio- technology	12	II
	Total	**36**	

Common Elective Courses

Course Code	Course Title	Credits
ZL 610	Metabolism and Bioenergetics	12
BL 619	Enzymology	12
BL 618	Immunology	12
CH 655	Clinical Biochemistry	12
CH 656	Neuro Biochemistry	12
CH 657	Forensic Biochemistry	12
ZL 611	Molecular Physiology	12
CH 658	Analytical Biochemistry	12
BL 607	Biostatistics	12

Year 2

Course Code	Course Title	Credits
CB 699	Dissertation	60

6. Programme Evaluation and Examinations

The assessment of the coursework part consists of continuous assessment which carries 40% and final examination 60%. To pass the coursework, a student must score a minimum of B grade in each course of the coursework component. After coursework, the candidate will be required to do dissertation (CB 699) in one of the three offering departments. The assessment of the research part consists of examination of the dissertation by an internal examiner and external examiner. The dissertation is graded; and to pass, a student needs to score a minimum of B grade.

MASTER OF SCIENCE WITH EDUCATION (MSc ED)

1. Introduction

The MSc (Ed) programme is intended for graduate science teachers who want to expand scope and depth of their knowledge base in the major areas of natural science and mathematics, and advance their professional careers as science teachers. In order to cater for the large number of science teachers, the programme will be offered in the mode of coursework and dissertation. The duration shall be two years, on a full-time basis and three years on part-time basis. The coursework programme component consists

of science discipline-based and education courses. A candidate shall major in only one science (or mathematics) subject.

2. Objectives of the Programme

This programme geared at creating a critical mass of welltrained teachers who are equipped with necessary skills, knowledge, and attitude to promote educational industry for sustainable development.

The objectives of the programme are to:

i.   produce graduates with proficiency in theoretical and practical aspects of Biology / Chemistry / Mathematics / Physics and teaching profession;

ii.   produce MSc (Education) graduates with a set of skills that is highly demanded in the educational labour market;

iii. produce graduates with the potential for high level research in areas relevant for improving the economy of the society;

iv.   create new opportunities for postgraduate research in Science education;

v.   contribute towards the production of Science educational professionals required for national and regional development; and

vi.   foster regional collaboration in teaching.

3. Entry Requirements

Admission into the programme will be in accordance with the University of Dar es Salaam regulations regarding postgraduate studies. Candidates applying for the MSc (Ed) programme shall hold BSc (Ed) or BEd (Science) degrees from a recognised institution. Graduates from non-education science degree programmes, or equivalent qualifications, will be required to undertake postgraduate diploma in Education as a prerequisite programme prior to admission into the MSc (Ed) programme.

4. Programme Structure

The MSc (Ed) is a taught programme comprising of course-work and dissertation and the duration shall be 24 months (two years) for full-time students and thirty-six months (three years) for part- time students. Coursework will run over a period of two semesters of 15 teaching weeks each, with final examination at the end of each semester. The second year shall be devoted to research and writing of the dissertation. During the second semester of the first year, students will be required to develop research proposals detailing the theoretical background and methodology, as a preparation for research and dissertation work.

The course-work programme consists of science discipline-based and science education courses. The science education component will be offered by the SoED. Science discipline-based courses comprise basic sciences, namely Biology (BL), Chemistry (CH), Physics (PH) and Mathematics (MT), in which a candidate shall major in only one of these subjects. Some of the science courses are drawn from among those offered in the existing MSc programmes in the respective Departments of the College of Natural and Applied Sciences. In essence there will be four streams, namely, BL/Ed, CH/ Ed, PH/Ed and MT/Ed.

The coursework component will carry a minimum of 120 credits. Most of the courses are worth 12 credits, with very few courses having 8 credits. Students will be compelled to do a minimum of 60 credits per semester. The dissertation part will be 60 credits in respective departments for MSc with education students. The list of recommended core and elective courses are as follows:

5. List of Courses

Education Courses

Core Courses

Course Code	Course Title	Credits	Semester
FE 600a	Research Methods in Education I	12	I
CT 645	Computer Assisted Learning in Science and Mathematics	12	

EP 624	Theories of Teaching and Learning	12	II
FE 600b	Research Methods in Education I	12	
Total		**48**	

Elective Courses

Course Code	Course Title	Credits	Semester
CT 600	Curriculum and Teaching	12	I
CT 604	Assessment of performance in SMT	12	
CT 603	Professional Development in SMT	12	
EA 607	Management of Education Systems and Institutions	24	II

Biology Stream

Core Courses

Course Code	Course Title	Credits	Semester
ZL 604	Protozoology and Helminthology	12	I
BL 617	Molecular Biology	12	
BL 661	Advanced Genetics	12	
BL 662	Biological Methods and Techniques	12	II
BL 607	Biostatistics	12	
BL 663	Advanced Physiology	12	
BL 699	Dissertation	60	
Total		**132**	

Elective Courses

Course Code	Course Title	Credits
BC 604	Aquatic Biodiversity and Conservation	12
BT 605	Plant Protection	12
BL 668	Soil/Plant Water Relations	12
BL 670	Fauna and Flora of East Africa	12
ZL 612	Animal Reproductive Physiology	12
ZL 616	Insect Ecology, Pest and Vector Management	12

Chemistry Stream

Core Courses

Course Code	Course Title	Credits	Semester
CH 606	Coordination Chemistry	12	I
CH 619	Physical Chemistry	12	
CH 630	Advanced Analytical Chemistry and Instrumentation	12	II
CH 618	Structure, Properties and Applications of Polymers	12	
CH 651	Chemistry of Biomolecules	12	
CH 699	Dissertation	60	I & II
Total		**120**	

Elective Courses

Course Code	Course Title	Credits
CH 603	Solid State Chemistry	12

CH 607	Advanced Physical Organic Chemistry	12
CH 610	Surface and Colloid Chemistry	8
CH 611	Heterocyclic Chemistry	8
CH 613	Advanced Environmental Chemistry	8
CH 616	Chemistry of Natural Products	12
CH 394	Fundamentals of Theoretical Chemistry	12

Mathematics Stream

Core Courses

Course Code	Course Title	Credits	Semester
MT 641	Advanced Mathematical Statistics	12	I
MT 662	Techniques in Operations Research	12	
MT 602	Numerical Analysis	12	
MT 605	Advanced Linear Algebra	12	II
MT 663	Ordinary Differential Equations I	12	
MT 699	Dissertation	60	
Total Core Units		**120**	

Elective Courses

Course Code	Course Title	Credits
MT 601	Advanced Probability Theory	12
MT608	Algebraic Geometry	12
MT 610	Complex Analysis	12
MT 672:	MT 672: Fluid Mechanics I	12
MT 660	Computer Applications and Programming	12

Physics Stream

Core Courses

Course Code	Course Title	Credits	Semester
PH 611	Electrodynamics	12	
PH 613	Electronics	12	I
PH 617	Quantum Mechanics	12	
PH 618	Condensed Matter Physics	12	II
PH 619	Nuclear Physics and Instrumentation	12	
PH 699	Dissertation	60	
Total Core Units		**120**	

Elective Courses

Course Code	Course Title	Credits
PH 615	Computational Physics	12
PH 616	Statistical Mechanics	12
PH 620	Aerosol Physics	12
PH 621	Atmospheric Dispersion and Air Quality Modelling	12
PH 623	Physics of Sustainable Electricity Generation	12
PH 625	Nuclear Techniques and Applications	12

6. Programme Assessment and Examinations

Assessment for the coursework part will constitute a combination of continuous assessment (at least two tests and/or practical reports, presentations and evaluation of assignments) and final examination in the first year. Assessment of the final degree will consist of 180 credits, of which 120 credits will be for coursework part and 60 credits for dissertation. The coursework component consists of core and elective courses. Assessment of research proposals and dissertations will be done according to the UDSM Postgraduate Guidelines and Regulations. The General University of Dar es Salaam and the College of

Natural and Applied Sciences examination regulations governing the award of MSc degrees shall apply to the MSc (Ed) programme. Specific requirements for basic science and education courses shall be governed by relevant CoNAS and School of Education (SoED) examination regulations respectively.

MASTER'S PROGRAMMES BY THESIS

1. Introduction

CoNAS offers a Master of Science by thesis in all major fields of specialisation which are:

- MSc (Applied Microbiology)
- MSc (Applied Zoology)
- MSc (Biotechnology)
- MSc (Botany)
- MSc (Molecular Biology)
- MSc (Mathematics)
- MSc (Physics)
- MSc (Chemistry)
- MSc (Zoology)
- MSc (Wildlife Ecology)

2. Entry Requirements

The minimum qualification for admission to the programme is an upper second-class Bachelor of Science degree in respective Science field from the University of Dar es Salaam or another recognised institution.

3. Programme Structure

The registration period for the programme shall normally be 24 months for full-time students up to 48 months for part-time students. Registration for the programme shall be at the beginning of either semester I or II during the Academic Year. The registration shall be renewed annually. Further guidelines are as contained in the UDSM Postgraduate Guidelines.

4. Programme Evaluation and Examinations

MSc programmes by thesis are run for a period of not less than two years, on a full-time basis. They are based on research only. The research part consists of proposal writing and a thesis. The thesis is examined by external and internal examiners. To pass, the candidate must score a minimum of grade B from the examiners. In addition, for a candidate to graduate from such a programme they must pass the *viva voce* examination with a grade not below grade B.

DOCTOR OF PHILOSOPHY (PhD) PROGRAMMES

All departments offer PhD programmes by Thesis.

DOCTOR OF PHILOSOPHY (PhD) BY THESIS

1. Introduction

CoNAS offers Doctor of Philosophy degree in all the major fields of Science specialisation.

2. Entry Requirements

A candidate for admission to the PhD degree programme must hold a relevant Master's degree of the University of Dar es Salaam or any other recognised institution. Candidates who possess a relevant First Class in Bachelor of Science may be considered for PhD registration after initially registering for the master's degree (thesis), and demonstrating outstanding performance after doing postgraduate training for at least one year, upon recommendations of the HDC and authorisation by the Senate.

3. Programme Structure

The programme involves a minimum of three years for full-time candidates, or five years for part-time registered candidates. Further guidelines are as contained in the UDSM Postgraduate Guidelines. The general University regulations for postgraduate studies and specifically for PhD studies govern the conduct of studies in the College

4. Programme Evaluation and Examinations

PhD programmes by thesis are run for a period not less than three years, on a full-time basis. They are based on research only. The research part consists of proposal writing and thesis. The thesis is examined by external and internal examiners. To pass, the candidate must score a minimum of grade B from the examiners. In addition, for a candidate to graduate from such programme they must pass the viva voce examination with not less than garde B.

PhD PROGRAMME BY COURSEWORK AND DISSERTATION

PhD IN ENVIRONMENTAL SCIENCES

1. Introduction

PhD in environmental science is an inter-disciplinary and multi-disciplinary programme that cuts across various specialties. The programme covers various aspects of environmental issues pertaining to recent technological developments that have led to climate change and environmental degradation. It is designed to provide advanced knowledge in biological, environmental modelling, physical and chemical sciences. The programme is designed for researchers, trainers and managers on environmental management issues.

2. Objectives of the Programme

This programme accentuates creativity and originality and it is intended to produce knowledgeable, skilled and internationally competitive graduates in various aspects in environmental sciences.

The specific objectives of the programme are to:

i. provide interdisciplinary and multidisciplinary research and training that addresses the understanding of the underlying mechanisms by which physical, chemical and biological agents cause alterations in the environment;

ii. develop expertise in conducting original research using advanced research methods and high proficiency in the interpretation, analysis, and explanation of environmental phenomena; and

iii. provide graduate students with advanced academic knowledge, research and management skills needed for successful careers in environmental science and related jobs at various private institutions, government agencies, academia and industry.

3. Entry Requirements

Admission into the programme will be in accordance with the University of Dar es Salaam Postgraduate Admission Regulations. An applicant is required to have an MSc in natural and applied science subjects or equivalent qualifications in related fields from a recognised institution.

4. Programme Structure

This is a taught PhD programme in Environmental Sciences that shall run for a maximum of four years and six years for full-time and part-time respectively. Full-time students will be required to complete coursework within two semesters while part-time students will be required to complete their coursework within four semesters. To cater for its multi-disciplinary nature, the programme will comprise three streams namely: Stream A: Biological Sciences; Stream B: Physical Sciences; and Stream C: Environmental Modelling.

The number of credits for graduation will be 540; of these, 180 will be for coursework and 360 will be for dissertation. Of the coursework credits, a total of 72 will be from common core courses designed for all streams, 36 credits from core courses set special for each stream and 72 or more credits opted from the list of common elective ones, as well as other stream core courses and/or other relevant PhD programmes upon approval by CoNAS. Each course will have 18 credits.

5. List of Courses

Semester Mapping for Common Core Courses and Core Courses by Stream:

Core Courses

Year	Course Code	Course Title	Credits	Total Credits	Semester
1	EV 730	Earth Systems Science	18		I
	EV 731	Environmental Degradation and Conservation	18	36	
	EV 732	Advanced Statistics and Research Methods	18		II
	EV 734	Environmental Law and Policy	18	36	
	Core Stream A: Biological Sciences				
	EV 735	Environmental Bioremediation	18		I
	EV 736	Environmental Toxicology	18	36	II
	Core Stream B: Physical Sciences				
	EV 737	Meteorology and Air Quality Models	18		I
	EV 738	Environmental Isotope Hydrology	18	36	II
	Core Stream C: Environmental Modelling				
	EV 739	Environmental Mathematical Modelling	18		I
	EV 740	Dynamical Systems	18	36	II

Semester Mapping of Elective Courses:

Year	Course Code	Course Title	Credits	Total	Semester
1	*Elective Courses*				I
	EV 733	Environmental Safety and Policy	18		
	EV 741	Climatic Change and the Environment	18		
	EV 743	Numerical Solutions of Differential Equations	18		
	EV 745	Stress Physiology	18	As required	
	EV 747	Soil and Aquatic Chemistry	18		
	EV 749	Earth and Atmospheric Sciences	18		
	EV 753	Energy Resources and the Environment	18		
	EV 754	Stochastic Processes	18		
	Elective Courses				II
	EV 742	Environmental Hazards and Management	18	As required	
	EV 744	Mathematical Statistics	18		
	EV 746	Environmental Restoration	18		
	EV 748	Methods in Environmental Chemical Analysis	18		
	EV 750	Fluid Dynamics in the Environment	18		
	EV 751	Environmental Economics and Accounting	18		
	EV 752	Water Resources and Soil Management	18		

6. Programme Evaluation and Examinations

Assessment of the coursework part will be based on Continuous Assessments (at least two tests and/or practical reports, presentations and evaluation of assignments) and Final/University Examinations. The continuous assessment will carry 50% and the final examination 50%. Before the dissertation phase, each candidate shall perform comprehensive examinations (written and oral) as per the University of Dar es

Salaam Regulations and Guidelines. The written examination will follow the standard format for University of Dar es Salaam examinations. The general University of Dar es Salaam examination rules and regulations shall apply. Assessment of research proposals for dissertations and or thesis will be done according to the UDSM Regulations.

PhD IN MATHEMATICS BY COURSEWORK AND DISSERTATION

1. Introduction

The programme runs on a full-time basis for a period of four years and is offered by the Department of Mathematics. It consists of coursework and research (dissertation) and three streams in Applied Mathematics, Pure Mathematics and Mathematical Statistics. Coursework is for one year and the dissertation (research part) for three years. This programme aims to prepare PhD graduates who are experts in Mathematics and able to apply their knowledge to solve real-life problems. They should be able to demonstrate the ability to teach in higher learning institutions and to conduct quality research that is relevant to the needs of our society. They should show commitment to establish collaborative research with the industry.

2. Objectives of the Programme

i.   Creating new opportunities for postgraduate research in Mathematics in Africa
ii.   Contributing towards the production of Mathematics professionals required in our national and regional development
iii.   Inculcating proactive and relevant knowledge needed for community development
iv.   Fostering regional collaboration in Mathematics
v.   Developing collaboration with industry in mathematical modelling, systems and services that address key national and regional economic needs
vi.   Equipping graduates with innovative knowledge, skills and values with top notch qualifications in Mathematics

3. Entry Requirements

Direct entry admission into this programme will be based on possession of Masters' degree in Mathematics or its equivalent as per UDSM postgraduate guidelines. The equivalent degree will be assessed by the department on the basis of mathematics contents studied.

4. Programme Structure

The PhD programme is by coursework (two semesters) and research (six semesters). It consists of three streams namely:
i.   Pure Mathematics stream
ii.   Applied Mathematics stream
iii.   Mathematical Statistics Stream
The coursework will have a weight of 180 credits and will be covered in two semesters. Each course in this programme is worth 18 credits. In order to meet the minimum 90 credits per semester a student is required to do at least 5 courses per semester, which is equivalent to 900 learning hours per semester. Minimum credits required for coursework part are 180 for the coursework part and 360 credits for the dissertation. To graduate from the programme, a student requires a minimum of 540 credits.

5. List of Courses

List of Courses for Pure Mathematics Stream

Course Code	Course Title	Status	Credits	Semester
MT 701	Measure Theory and Integration	Core	18	
MT 702	Advanced Functional Analysis	Core	18	
MT 737	Algebraic Geometry	Core	18	I
	Elective I	Elective	18	
	Elective II	Elective	18	
	Total		**90**	

Course Code	Course Title	Status	Credits	Semester
MT 703	Partial Differential Equations	Core	18	
MT 707	Algebra I	Core	18	
MT 722	Advanced Homological Algebra	Core	18	II
	Elective	Elective	18	
	Elective	Elective	18	
	Total		**90**	

Elective Courses for Pure Mathematics Stream

S/N	Course Code	Course Title	Credits
1.	MT 711	Harmonic Analysis	18
2	MT 712	Numerical Linear Algebra	18
3	MT 713	Theory of Distributions	18
4	MT 714	Nonlinear Analysis	18
5	MT 715	Operator Theory	18
6	MT 716	Differential Geometry	18
7	MT 717	Algebra II	18
8	MT 718	Algebraic Number Theory	18
9	MT 719	Computational Algebraic Geometry	18
10	MT 720	Representation and Lie Theory	18
11	MT 721	Weyl and Commutative Algebra	18
12	MT 723	Field and Category Theory	18
13	MT 724	Cryptography and Coding Theory	18
14	MT 732	Probabilistic Graphical Models	18
15	MT 734	Analytic Number Theory	18
16	MT 735	Elliptic Curves	18
17	MT 736	Diophantine Geometry	18
18	MT 738	Enumerative Combinatorics	18
19	MT 739	Advanced Topics in Topology	18
20	MT 740	Complex Analysis	18
20	MT 747	Wavelet Theory	18
21	MT 758	Advanced Graph Theory	18
22	MT 759	Probability Methods in Combinatorics	18
23	MT 763	Research Methods and Scientific Academic Writing	18

List of Applied Mathematics Courses

Course Code	Course Title	Status	Credits	Semester
MT 701	Measure Theory and Integration	Core	18	
MT 749	Dynamical Systems	Core	18	
MT 705	Techniques of Optimisation	Core	18	I
	Elective	Elective	18	
	Elective	Elective	18	
	Total		**90**	
MT 703	Partial Differential Equations	Core	18	
MT 746	Numerical Solutions of Differential Equations	Core	18	
MT 741	Stochastic Processes	Core	18	II
	Elective	Elective	18	
	Elective	Elective	18	

Course Code	Course Title	Status	Credits	Semester
	Total		90	

Elective Courses for Applied Mathematics Stream

S/N	Course Code	Course Title	Credits
1	MT 702	Advanced Functional Analysis	18
2	MT 708	Control Theory	18
3	MT 709	Convex Optimisation	18
4	MT 710	Large Scale Optimisation	18
5	MT 712	Numerical Linear Algebra	18
6	MT 740	Complex Analysis	18
7	MT 745	Hydrodynamic Stability Theory	18
8	MT 747	Wavelet Theory	18
9	MT 750	Mathematical Epidemiology	18
10	MT 751	Mathematical Ecology	18
11	MT 752	Mathematical Immunology	18
12	MT 753	Mathematical Physiology	18
13	MT 754	Applied Bioinformatics	18
14	MT 755	Fuzzy Sets and Fuzzy Logic	18
15	MT 756	Fuzzy Engineering	18
16	MT 757	Fuzzy Data Analysis	18
17	MT 760	Advanced Fluid Dynamics	18
18	MT 762	Mathematics for Data Science	18
19	MT 763	Research Methods and Academic Scientific Writing	18

List of Courses for Mathematical Statistics Stream

Course Code	Course Title	Status	Credits	Semester
MT 701	Measure Theory and Integration	Core	18	I
MT 704	Probability and Statistics	Core	18	
MT 705	Techniques of Optimisation	Core	18	
	Elective I	Elective	18	
	Elective II	Elective	18	
	Total		**90**	
MT 741	Stochastic Processes	Core	18	II
MT 743	Advanced Statistical Inference	Core	18	
MT 748	Bayesian Methods for data A	Core	18	
	Elective	Elective	18	
	Elective	Elective	18	
	Total		**90**	

Elective Courses for Mathematical Statistics Stream

S/N	Course Code	Course Title	Credits
1	MT 702	Advanced Functional Analysis	18
2	MT 710	Large Scale Optimisation	18
3	MT 725	Multivariate Statistics	18
4	MT 726	Computational Statistics	18
5	MT 727	Mathematical Insurance	18
6	MT 728	Mathematical Finance	18
7	MT 729	Biostatistics	18
8	MT 730	Time series Analysis	18

9	MT 731	Stochastic Calculus	18
10	MT 732	Probabilistic Graphical Models	18
11	MT 733	Experimental Design	18
12	MT 742	Linear Statistical Models	18
14	MT 744	Advanced Probability Theory	18
16	MT 755	Fuzzy sets and Fuzzy Logic	18
17	MT 756	Fuzzy Engineering	18
18	MT 757	Fuzzy data Analysis	18
19	MT 762	Data Science for Mathematics	18
20	MT 763	Research Methods and Scientific Academic	18

Course Code	Course Title	Credits
MT 799	Dissertation	360

6. Programme Evaluation and Examinations

The minimum number of credits for graduation is 540, out of which 180 credits are for coursework and 360 credits for the dissertation. The coursework component consists of core and elective courses and each course will be worth 18 credits. The core courses account for 108 credits and the elective ones a minimum of 72 credits. The assessment of the coursework part consists of continuous assessment which carries 50% and the final university examination 50%, except for MT 762 which will be 100% coursework.

A student shall be required to pass a comprehensive examination before embarking on the research. The comprehensive examination consists of a written and oral component. The comprehensive examination is part of the examination (pass or fail) but does not carry any credits.

The research proposal presentation, research work and writing of dissertation are conducted and examined as per the approved *General Regulations and Guidelines for Postgraduate Programmes*. The final examination is the viva voce examination. To pass the viva voce, a candidate must score a minimum of 50%.

PhD IN MOLECULAR BIOSCIENCES

1. Introduction

PhD in Molecular Biosciences (PhD MB) is a full-time four-year programme offered by the Department of Molecular Biology and Biotechnology. The programme underscores rigorous and original research and is intended to produce internationally competitive graduates with state-of-the-art knowledge and skills in molecular biosciences capable of innovative exploitation of microbial and plant bio-resources for production of desired bio-products.

2. Objectives of the Programme

The overall key objective of this degree programme is to serve the manpower needs of Tanzania and the region in the field of molecular biosciences. More specifically, the programme aims at:

i.   Expanding student knowledge and skills in molecular biosciences in the sub-fields of genomics, bioinformatics, biomedical sciences, microbiology and other related fields; and

ii.   Offering graduates entrepreneurial skills that will enable them venture into commercial biotechnological projecs.

3. Entry Requirements

Applicants must be holders of a master's degree (MSc in Molecular Biology, Biochemistry, Biotechnology, Applied Microbiology, Medicine, Pharmacy, Systems Biology, Computational Biology, Bioinformatics, and Biological Sciences in related fields) or an equivalent master's degree from a higher

learning Institution recognised by Tanzania Commission for Universities (TCU).

4. Programme Structure

The minimum number of credits for graduation will be 600, 200 credits for coursework while 400 credits are for dissertation. Of the coursework credits, a total of 100 will be from common core courses designed for all streams, 100 credits from core courses set special for each stream and 48 credits or more opted from the list of common electives, or other stream core courses.

5. List of Courses

Common Core Courses

Course Code	Title	Credits
BN 700	Scientific Writing	20
BN701	Molecular Genetics	24
BN 702	Bio-prospecting	24
BN703	Graduate Seminars	12
BN715	Bioanalysis	20
BN 799	Dissertation	400

CORE COURSES AND ELECTIVE ONES FOR EACH STREAM

Bioinformatics Stream

Core Courses for Genomics and Bioinformatics Stream

Course Code	Course Title	Credits
BN 704	Bioinformatics	20
BN 705	Programming for Life Scientists	20
BN 706	Genome-Wide Association Studies (GWAS)	20
BN 707	Advanced Phylogenetic Analysis	20

Elective Courses for Genomics and Bioinformatics Stream

Course code	Course Title	Credits
BN 708	Biogeography and Population Genetics	20
BN 709	R in Bioinformatics	20

Biomedical Sciences Stream

Core Course for Biomedical Sciences Stream

Course Code	Course Title	Credits
BN 711	Principles of Epidemiology	20
BN 717	Receptor Pharmacology	20
BN 713	Vaccinology and Immunotherapy	20
BN 714	Vector Control	20

Elective Courses for Biomedical Sciences Stream

Course Code	Course Title	Credits
BN 716	Cancer Biology	20
BN 718	Molecular Virology	20
BN 704	Bioinformatics	20
BN 712	Drug Delivery System	20

BN 721	Biochemistry	20

Molecular Microbiology Stream

Core Courses and Elective Ones for Molecular Microbiology Stream

Course Code	Title	Credits
BN 718	Molecular Virology	20
BN 719	Molecular Mycology	20
BN 720	Molecular Bacteriology	20
BN 721	Biochemistry	20

Elective Courses for Microbiology Stream

Course Code	Title	Credits
BN 722	Biosystematics	20
BN 704	Bioinformatics	20

Common Elective Courses for all Streams

Course Code	Title	Credits
BL 607	Biostatistics	24
BN 710	Entrepreneurship in Biosciences	24

6. Programme Assessment and Examinations

Assessment of the coursework part will be based on Continuous Assessments (at least two tests and/or practical reports, presentations and evaluation of assignments) and University Examinations. The continuous assessment will carry 50% and the final examination will carry 50%. Before the dissertation phase, each candidate shall perform comprehensive examinations (written and oral) as per the University of Dar es Salaam Regulations and Guidelines. The general University of Dar es Salaam examination rules and regulations shall apply. Assessment of research proposals for dissertations and/or thesis will be done according to the UDSM Regulations.

CoNAS STAFF LIST
Office of the Principal
Associate Professor and Principal
F. J. Magige, BSc, MSc (Dar), PhD (Trondeim)

Senior Human Resource Officer
E. P. Maduhu, BPA (Morogoro), MSc HRM (Dar)

Postgraduate Coordinator
G. D. Mukandala, BSc (Massachusetts), MSc (Califonia), MSc (London), PhD (Dublin)

Undergraduate Coordinator
R. Masalu, BSc, MSc, PhD (Dar)

Examination and Time Table Coordinator
J. J. Tibaijuka BSc, MSc, PhD (Dar)

Department of Botany
Associate Professor and Head
S. M. Andrew, BSc (SUA-Morogoro), MSc (Gent), PhD (ÅS)

Associate Professor
S. M. Andrew, BSc (SUA-Morogoro), MSc (Gent), PhD (ÅS)

Senior Lecturers
A. S. Buriyo, BSc, MSc, PhD (Dar)
E. F. Mvungi, BSc, MSc (Dar), PhD (Stockholm)
N.D. Mganga, BSc, MSc, PhD (Dar)
S. I. Nnungu, BSc, MSc (Dar), PhD (Nsukka)

Lecturers
G. F. Kimaro, BSc, MSc, PhD (Dar)
G. M. Sangu, BSc, MSc, PhD (Dar)
H. M. Mangosongo, BSc (Dar), MSc (Kent), PhD (Dar)
H. N. Moshi, BSc, MSc, PhD (Dar)
E. M. Sangu, BSc, MSc (Dar), PhD (Beijing)
D. C. Simiyu, DipEd (Monduli), BED Sc (Kilimanjaro), MSc (Dar), PhD (Gwangju)
I. S. Yangaza, BSc, MSc (Dar), PhD (Dar)

Assistant Lecturers
*E. M. Kiwonde, BSc (SUA-Morogoro), MSc (Jerusalem)
S. M. Sanga, BEd Sc (Mkwawa-Iringa), MSc (Debrecen)
F. M. Joachim, BSc (Dar), MSc (Debrecen)
V. E. Mlegi, BSc, MSc (Dar)
D. A. Mwaikambo, BSc, MSc (Dar)
C. Nassoro, BSc, MSc (Dar)
*A.L. Mbuji, BSc (Morogoro), MSc (China)
J.C. Marwa, BSc (Kilimanjaro), MSc (Dar)
S.J. Kamoyo, BSc, MSc (Dar)

Tutorial Assistants
*A. L. Mpagike, BSc (Dar)
A. D. Mwakipesile, BSc (Dar)
*M. A. Peter, BSc (Dar)
*R. M. Lembuseli, BSc (Dar)

Principal Technicians I
A. P. Kuratha, BSc, MSc (Dar)
A. B. Manumbu, FTC (Dar)
E. A. Mbuni, BSc, MSc (Dar)

Senior Laboratory Technician I
J. W. Kalugasha, FTC (DIT-Dar)

Senior Laboratory Technician I
P. B. Fidelis, Cert Instr (Dar)

Laboratory Technician II
N. L. Mbilinyi, Dip (Arusha)
S.M. Wambura, Dip (Mbeya)

Senior Laboratory Assistant II
B. E. Haule, Cert (Dar)

Laboratory Scientist II
H. C. Mgadala, BSc (Dar)
R. G. Mwakyanjala, Dip, BSc (DIT-Dar)

Department of Chemistry
Associate Professor and Head
S. S. Nyandoro, BSc, MSc, PhD (Dar)

Associate Professors
S. S. Nyandoro, BSc, MSc, PhD (Dar)
J. E. G. Mdoe, BSc, MSc (Dar), PhD (York)
J. A. M. Mahugija, BSc, MSc, PhD (Dar)
K. F. Kilulya, BScEd, MSc (Dar), PhD (Johannesburg)

Senior Lecturers
Y. M. M. Makame, BSc (Dar), MSc, PhD (Trondheim)
A. S. Mwakaboko, BSc, MSc (Dar), PhD (Nijmegen)
J. Y. N. Phillip, Dip (Iringa), BEd, MSc (Dar), Lic. Eng. (Lund), PhD (Dar)
***C. C. Joseph, BSc, MSc (Dar), PhD (Nijmegen)
J. J. E. Munissi, BSc, MSc, PhD (Dar)
G. Kinunda, BSc, MSc (Dar), PhD (Kwazulu Natal)
M. M. Ndoile, BSc, MSc (Dar), PhD (Kwazulu Natal)
F. Jacob, BScEd (Dar), MSc (Abuja), PhD (Arusha)
C. A. Mgina, BSc, MSc (Dar), PhD (Nijmegen)
G. D. Kikumi, BSc, MSc (Dar), (PhD (Arusha)
R. P. Mtei, BSc (Dar), MSc (UB-Gaborone), PhD (New Mexico)

Lecturers
F. Lyatuu, BSc (Dar), MSc (Newcastle), PhD (Marburg)
E. Mapunda, BSc, MSc (Dar), PhD (Johannesberg)
N. R. Komba, Dip (Monduli), BSc, MSc (Dar), PhD (Montreal)
G.B. Shombe, BSc, MSc (Dar), PhD (Zululand)
M. M. Madirisha, BSc (Dar), MSc (Nairobi), PhD (Enschede)
E. X. Ricky, BScChem, MSc (Dar), MSc (Aberdeen), PhD (CUG, China)
N.A. Kasimu, BScEd (Dar), MSc (Aberdeen), PhD (CUG, China)

H. Kahimbi, BScEd (MUCE), MSc (Samcheok-South), PhD (NM-AIST-Arusha)
R. F. Irunde, BScEd (SJUT), MSc (Dar), PhD (KTH)

Assistant Lecturers
*J. P. Kakwaya, BScPChem, MSc (Dar)
*S. C. Nyanda, BScChem, MSc (Dar)
*O. A. Mwalaji, BScEd (MUCE), MSc (Dar)
*E. T. Mahambo, BScChem, MSc (Dar)
L. P. Kwiyukwa, BScEd (MUCE), MSc (Dar
*J. G. Kauno, BScEd (MUCE), MSc (ZSTU; China)
C. J. Kimani, BScChem (Dar), MSc (NM-AIST-Arusha)
E.M. Sinza BSc(SJUT), MSc(Dar)

Tutorial Assistant
*M. B. Mohamed, BScChem (Dar)
*L. J. Nyimbo, BScPChem (Dar)
M. P. Timotheo, BScEd (Dar)

Principal Laboratory Scientist
L. Illomo, DipEd (Iringa), BSc, MSc (Dar), PhD (Dar)

Laboratory Scientists I
P. Godfrey, BScEd, MSc (Dar)
E. Wantahe, BSc (Dar)

Laboratory Scientist II
*H. Tosha, BSc (Dar)
J. K. Moses, BSc (UDOM)
K. A. Leole, BSc (Dar)

Principal Laboratory Technicians I
B. Sindatuma, FTC (Dar)
J. Peter, FTC (Dar)
E.D. Fredrick, FTC (Dar)

Laboratory Assistants I
T. R. Mlawa
S. Zuberi

Department of Mathematics
Senior Lecturer and Head
M. Mpimbo, BSc, MSc (Dar), PhD (Ohio)

Associate Professors
***A.R. Mushi, BSc (Dar), MMS (Dublin), PhD (Dublin)
E.W. Mureithi, BEd, MSc (Nairobi), PhD (New South Wales)

Senior Lecturers
E. Mujuni, BSc (Dar), MSc (Harare), PhD (Dar)
N. Shaban, BEd, MSc, PhD (Dar)
S.E. Rugeihyamu, BSc (Dar), Dip, MSc (Dublin), PhD (Cork)
***W. C. Mahera BSc Ed (Dar), MSc (Harare), PhD (Delft)

H. Rwezaula, BSc, MSc (Dar), PhD (Dublin)
M. Mpimbo, BSc, MSc (Dar), PhD (Ohio)
I. Amour, BSc (Dar), MSc, PhD (Lappeenranta)

Lecturers
M. Mwanzalima, BSc (Dar), MMath (Kampala), PhD (Dar)
T. Marijani, BSc (Dar), MSc, PhD (Stellenbosch)
**S. I. Mbalawata, BSc (Dar), MSc, PhD (Lappeenranta)
S. Sima, BSc, MSc (Dar), PhD (Witwatersrand)
D. Koloseni, BSc, MSc (Dar), PhD (Lappeenranta)
M. Mkandawile, BSc (Kampala), MSc (Dar), PhD (Dar)
M. Rashid, BSc, MSc (Dar), PhD (Dar)
G. Mlay, Bsc (Dar), MSc (Lappeenranta), PhD (Arusha)
J. Makungu, BSc (Dar), MSc (Lappeenranta), PhD (Arusha)
A. Isdory, BSc (Dar), MSc (Harare), PhD (Dar)
E. Evarast, BSc, MSc, PhD (Dar)
J. Andongwisye, BSc, MSc, PhD (Dar)
S. Pitos, BSc (Dar), MSc (Lappeenranta), PhD (Linkoping)
U. Ngulo, BSc (Ed), MSc (Dar), PhD (Dar)
W. Levens BScEd, MSc (Dar), PhD (Dar)
D. Mgani, BSc (SUA), MSc (Dar), PhD (South Africa)
E. Mrema, BEd (DUCE), MSc (Dar), PhD (South Africa)
A. Mandia, BSc (Dar), MSc (India), PhD (UoN)
S. Suleiman BSc, MSc (Dar), PhD (Dar)
D. Kabuche, BSc (Dar), MSc (Scotland), PhD (Scotland)

Assistant Lecturers
L. Shilingi, BSc (Dar), MSc (Tamil Nadu)
I. Maduhu, BSc (Dar), MSc (Tamil Nadu)
*S. Kessy, BSc (Dar), MSc (Bagamoyo)
*S. I. Makwaru, BSc, MSc (Dar)
*F. B. Janes, BSc, MSc (Dar)

Tutorial Assistants
*A. Daudi, BSc (Dar)
*I. Mathayo, BSc(Dar)

Principal Technician II
W. Lwiza, AdvDip, PGDEEICT (Dar)

Department of Molecular Biology and Biotechnology
Senior Lecturer and Head
J. M. Hussein, BSc, MSc (Dar) PhD (Uppsala)

Professor Emerita
A. K. Kivaisi, BSc (Dar), MSc (Stockholm), PhD (Dar)

Professors
***G. Y. S. Mtui, BSc (Dar), MSc, PhD (Kanazawa)
***A. M. Mshandete, Dip Ed (Iringa), BSc (Ed), MSc, PhD (Dar)
D. D. Tibuhwa, BSc, MSc, PhD (Dar)
T. J. Lyimo, BSc, MSc, PhD (Dar)

Associate Professor
S. L. Lyantagaye, BSc, MSc (Dar), PhD (Western Cape)

Senior Lecturers
***K. M. M. Hosea, BScEd, MSc, PhD (Dar)
***L. A. Namkinga, MSc (Kharkov), PhD (Dar)
R. Masalu, BSc, MSc, PhD (Dar)
C. B. Mpinda, BSc, MSc, PhD (Dar)
J. M. Hussein, BSc, MSc (Dar) PhD (Uppsala)
F. N. Mpenda, BSc (Dar), MSc, PhD (Arusha)
Lecturers
A. V. Makene, BSc, MSc, PhD (Dar)
D. G. Maeda BSc (Dar), MSc (Heidelberg), PhD (Hannover)
S. A. A. Kassuwi, BSc (Dar), MSc (Turku), PhD (Dar)
A. Mahadhy, BSc (Dar), MSc, PhD (Lund)
M.D. Nkungu, BSc, MSc (Dar), PhD (Braunschweig)
A. B. David, BSc, MSc (Dar), PhD (SLU-Alnarp)
H. H. Myovela, BSc (Dar), MSc (Nairobi), PhD (Dar)
S. M. Hamad, BSc, MSc (Dar), PhD (SUA)
L. P. Rweyemamu, BSc, MSc (KU Leuven, Belgium), PhD (Dar)
H. R. Mero, BSc, MSc (SUA-Morogoro), PhD (Dar)

Assistant Lecturers
* G. C. Mutwala, BSc (SUA), MSc (Dar)
B. N. Chacha, BSc (Dar), MSc (Zhejiang)

Tutorial Assistants
*R. H. Mwamlongo, BSc (Dar)
*Q. J. Minja, BSc (Dar)
*Y. A. Manase, BSc (Dar)

Senior Laboratory Scientist I
P. Raymond, BSc, MSc, PhD (Dar)
L. Mwangoka, BSc, MSc (Dar), PhD (Nsukka)

Senior Laboratory Scientist II
F. P. Kisoka, BSc, MSc (Dar)
C. Misanga, BSc (Dar), MSc (Wageningen)
W. E. Kimaro, BSc, MSc (Dar)

Laboratory Scientist II
A. A. Mlwisa Dip (Dar), BSc (Morogoro)
E. Malyuta, BSc (Dar)
C. C. Kivumbi, BSc (Morogoro)
V. E. Linkanti, BSc (Dar)
E. C. Shija, BSc (Dar)

Chief Technician
W. P. Shimba, FTC (Dar), BSc (Morogoro)

Senior Laboratory Technicia III
S. Shamte, FTC, BSc (Dar)
J. S. Sulle, FTC (Dar), BBA, (Dar)
M. Henry, Dip (Dar), BSc (Dar)

Laboratory Technician I
K. Shitindi, DipLabTech (Dar)

Department of Physics
Senior Lecturer and Head
M. J. Kumwenda, BSc, MSc (Dar), PhD (Seoul)

Associate Professor
N. R. Mlyuka, BSc, MSc, PhD (Dar)
M. E. Samiji, BSc, MSc (Dar), PhD (Port Elizabeth)

Senior Lecturers
M. J. Kumwenda, BSc, MSc (Dar), PhD (Seoul)
I. Lugendo, BSc, MSc (Dar), PhD (Seoul)
A. B. Malisa, BSc (Dar), MSc, PhD (Göteborg)
M. Mazunga, BSc, MSc (Dar), PhD (Hefei)
P. T.S. Limbu, BSc (Dar), MSc, PhD (Nanjing)
P. L. Mwakyusa, BSc, MSc (Dar), PhD (Karlsruhe)

Lecturers
R. J. Mangara, BSc, MSc (Dar), PhD (Beijing)
E. K. Makula, BSc, (Dar), MSc, PhD (Nanjing)
E. Rwenyagila, BSc Ed (Dar), MSc (Switzerland), MSc (Dar), PhD (Abuja)
L. Kebacho, BSc (Dar), MSc, PhD (Nanjing)
J. J. Tibaijuka, BSc, MSc, PhD (Dar)
M. M. Mtangi, BSc, MSc (Dar), PhD (Seoul)
H. Sawa, BSc, MSc (Dar)
D. O. Mbigi, BSc, (Dar), MSc (Beijing)
Z. Mtewele, BSc (Dar), MSc (Beijing)

Assistant Lecturers
*G. D. Sungi, BSc, MSc (Dar)
*E. T. Shana, BSc, MSc (Dar)
N. E. Mmari, BSc, MSc (Dar),
W. P. Kessy, BSc (Dar), MSc (Nairobi)
D.P. Tippe, BSc, MSc (Dar)
P. G. Mbago, BSc, MSc (Dar)
M. S. Nassor, BSc, MSc (Dar)

Tutorial Assistants
*S. Lamso, BSc (Dar)
L. Lunojo, BESc (Iringa)
G. I. Cosmas, BSc (Dodoma)
T.C. Gumbo, BSc (Dar)

Head of Technical Staff and Principal Laboratory Engineer II
M. K. Mtelela, AdvDip (Dar)

Laboratory Scientists II
H. N. Rajabu BSc (Dodoma)
O. H. Juma, BSc (Dar)

Laboratory Technician II
S. J. Musa, Dip in Lab Tech (Dar)
A. R. Mbangwa, Dip in Lab Tech (Dar)

Department of Zoology and Wildlife Conservation
Senior Lecturer and Head
F. S. Nyaki, BSc, MSc (Dar), PhD (Kiel)

Associate Professors
F. J. Magige, BSc, MSc (Dar), PhD (Trondeim)
C. W. Nyamkinda, BSc, MSc, PhD (Dar)

Senior Lecturers
B. A. Nyundo, BSc, MSc, PhD (Dar)
W. B. Kidima, BSc, MSc (Dar), PhD (Honolulu)
F. D. Chibwana, BSc, MSc, PhD (Dar)
J. R. John, BSc (SUA), MSc (Dar) PhD (Seoul)
F. S. Nyaki, BSc, MSc (Dar), PhD (Kiel)
A. B. Philbert, BSc, MSc, PhD (Dar)
J. V. Katandukila, BSc, MSc (Dar), PhD (Pretoria)

Lecturers
W. N. Mrosso, BSc, MSc, PhD (Dar)
G. D. Mukandala, BSc (Massachusetts), MSc (Califonia), MSc (London), PhD (Dublin)
**E. N. Kalumanga, BSc, M.Sc. (Dar), PhD (Stockholm)
M. T. Shilereyo, BSc, MSc (Dar), PhD (Trondeim)
M. J. Kibaja, BSc, MSc (Dar), PhD (Olso)
S. E. Temu, BSc, MSc), PhD (Dar)
Y. J. Chuhila, BSc (Dar), MSc (Nairobi), PhD (Dar)
S. Ibrahim, BSc, MSc (Dar), PhD (SUA)
L. Musese, BSc, MSc (Dar), PhD (Morogoro)
J. L. Kachungwa, BSc, MSc (Dar), PhD (Bebrecen)

Assistant Lecturers
*A. B. Ahungu, BSc (Dar), MSc (Arusha
*J. V. Lyakurwa, BSc, (Dar), MSc (Arusha)
*H. M. Mfaume, BSc, MSc (Dar)
*S. F. Ndunguru, BSc, MSc (Dar)
*A. Baltazary, BSc (Morogoro), MSc (Arusha)
*M. Michael, BSc (Kilimanjaro), MSc (Arusha).
*A. Mujuni BSc, MSc (Dar)
 A. Ulime, BSc, MSc (Dar)
 B. A. Tengia BSc (SUA), MSc (Tasmania)
 D. M. Zakayo BSc (Dodoma), MSc (Dar)
 J. Katabaro, BSc (Dar), MSc (Dar)
 R. J. Wambura, BSc (Dodoma), MSc (Dar)

Tutorial Assistants
R. R. Awami, BVM (Morogoro)
J. Maleva, BSc (Dodoma)
A. Ally, BSc (Dar)

Principal Laboratory Scientists II
M. D. Chiduo, BSc, MSc (Dar)
S. P. Nzumbi, BSc, MSc (Dar)

Senior Laboratory Scientist II
H. M. Haucha, BSc (Dar)

Senior Laboratory Technician I
S. M. Mweyo, FTC (Dar), BSc (OUT)

Laboratory Scientists I
S. G. Ackrey, BSc, Msc (Dar)
M. B. Lisesi, BSc (Dar)

Laboratory Scientist II
Y. A. Wilangali, BSc (Dar)
E. S. Makongoro, Diploma (Dar), BT (DIT)

Laboratory technician II
F. M. Kivava, Diploma (Dar)
A. R. Mwakalukwa, Diploma (Dar)
D. D. Lucas Diploma, (Dar)
N.D. Simon Diploma, (Dar)

Laboratory Assistant II
D. J. Muhammed, Cert (VETA)

Central Science Workshop
Manager
I. J. Lugendo. BSc, MSc (Dar), PhD (Seoul)

Chief Technician
S. Musa, FTC (Dar)
A. Ramadhan, FTC (Dar)

Laboratory Technician IV
R. Adolf

*On study leave
**On leave of absence
***On leave of absence (Secondment)

INTRODUCTION

The College of Social Sciences (CoSS) equips its departments and teaching units with the facilities necessary for students to undertake advanced research under expert supervision for the MA and PhD degrees of the University of Dar es Salaam.

PURPOSE AND SCOPE

CoSS offers a coordinated structure for postgraduate studies in Geography, Information Studies, Political Science and Public Administration, Sociology and Anthropology, Statistics and Demography. These programmes are designed for career advancement and are particularly suited to in-service professional personnel (including the University's own staff).

The postgraduate framework consolidates all teaching programmes offered by the College's departments under a common administrative structure. However, the responsibility for degrees awarded by thesis alone remains vested in the respective academic units.

AIMS AND OBJECTIVES

The postgraduate studies programme aims to:

i.   extend the existing generalised undergraduate studies by offering specialised teaching and instruction at an advanced level to meet Tanzania's immediate professional needs;
ii.   create awareness of the problems of society development and a personal commitment to social reconstruction in Tanzania;
iii.   encourage an interdisciplinary approach and joint research among all the University's social sciences departments; and
iv.   generate teaching and research materials with direct relevance to contemporary policy issues in Tanzania.

PROGRAMME DURATION

The MA/MSc programmes offered in the College last for 18 months and some 24 months, while PhD programmes last for 48 months.

COURSE STRUCTURE

The structure includes basic work on related academic or professional disciplines, (termed as "core courses," and some elective courses to make up a particular specialisation suited to each student's intended future occupation.

ADMISSION ELIGIBILITY

To be eligible for admission, the candidate must fulfill the following conditions:

i.   A bachelor's degree with a minimum GPA of 2.7
ii.   Adequate background in social sciences subjects
iii.   Positive recommendations from the minimum of two referees

TEACHING MODALITY

The 18-month programme consists of nine months of coursework, followed by a nine month dissertation period. The instructional period is divided into two semesters, consisting of 15 teaching weeks and two weeks for semester examinations. The 24-month programme consists of three semesters of coursework and six months of dissertation.

The taught PhD programmes consist of 18 months of instruction, followed by six months of comprehensive examination and 24months of research and dissertation.

PROGRAMME EVALUATION AND EXAMINATIONS

i. Coursework Assessment

Course assessment ordinarily counts for 50% towards the final marks in each course. Coursework marks include semester tests/assignments and exercises.

ii. Final Examinations

All courses are examined separately at the end of each semester. The final grade at the end of the academic year is computed from examination and coursework grades from all semesters.

FAILURES

No candidate shall be allowed to repeat the course. A candidate failing not more than 4 units may be allowed to sit for supplementary examinations under conditions to be approved by the College Board.

COURSE ALLOCATION

One-year courses are divided to give approximately half the time to required core courses (including one required common course), and half the time to elective courses selected in accordance with a student's intended specialisation.

DISSERTATION

The terminal period of 9 and 24 months is directed towards the completion of Master and PhD dissertations, respectively. The MA or PhD degree will not be granted until this dissertation has been satisfactorily completed.

COORDINATION

There is a coordinator postgraduate programme in the College and in each Department.

Table 1: Programmes Offered

No	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee Tanzanian (TShs)	Non-Tanzanian (US$)
1.	Master of Arts in Geography and Environmental Management	Coursework and Dissertation	Fulltime	18 months	4,500,000	6,030
2.	Master of Arts in Geography and Environmental Management	Thesis	Fulltime	24 months	6,500,000	8,040
3.	Master of Arts in Strategic and Peace Studies	Coursework and Dissertation	Fulltime	18 months	5,000,000	6,030
4.	Master of Arts in Public Administration	Coursework and Dissertation	Fulltime	18 months	5,000,000	6,030
5.	Master of Arts in Political Science	Coursework and Dissertation	Fulltime	18 months	5,000,000	6,030
6.	Master of Science in Statistics	Coursework and	Fulltime	18 months	4,500,000	6,030

		Dissertation				
7.	Master of Science in Statistics	Thesis	Fulltime	24 months	6,500,000	8,040
8.	Master of Arts in Population Studies	Coursework and Dissertation	Blended Fulltime	18 months	4,500,000	6,030
9.	Master of Arts in Population Studies	Thesis	Fulltime	24 months	6,500,000	8,040
10.	Master of Arts in Sociology	Coursework and Dissertation	Fulltime	18 months	5,000,000	6,030
11	Master of Arts in Sociology	Thesis	Fulltime	24 months	6,500,000	8,040
12	Master of Arts in Information Studies	Coursework and Dissertation	Fulltime	18 months	5,200,000	6,030
13	Master of Arts in Information Studies	Coursework and Dissertation	Evening	18 months	5,200,000	6,030
14	Master of Arts in Information Studies	Thesis	Fulltime	24 months	6,500,000	8,040
15	Master of Arts in Project Planning and Management	Coursework and Dissertation	Evening	18 months	7,500,000	8,040
16	Master of Research and Public Policy (MRPP)	Coursework and Dissertation	Evening	24 months	8,500,000	8,040
17	Master of Public Health (MPH)	Coursework and Dissertation	Evening	18months	7,500,000	6,030
18	Master of Science in Geographical Information Systems (MSc GIS)	Coursework and Dissertation	Evening	18 months	6,500,000	6,030
19	Master of Arts in Records and Archives Management	Coursework and Dissertation	Fulltime	18 months	6,375,000	6,030
20	Master of Arts in Records and Archives Management	Coursework and Dissertation	Evening	18 months	6,375,000	6,030
21	Master of Arts in Records and Archives Management	Thesis	Fulltime	24 months	6,500,000	8,040

22	Doctor of Philosophy (PhD) in Political Science	Coursework and Dissertation	Fulltime	48 months	2,500,000 per year	4,020 per year
23	Doctor of Philosophy (PhD) Political Science	Thesis	Fulltime	36 months	3,000,000 Per year	4,020 per year
24	Doctor of Philosophy (PhD) Political Science	Thesis	Part time	60 months	3,000,000 Per year	4,020 per year
25	Doctor of Philosophy (PhD) in Public Administration	Coursework and Dissertation	Fulltime	48 months	3,000,000 Per year	4,020 per year
26	Doctor of Philosophy (PhD) in Public Administration	Thesis	Fulltime	36 months	3,000,000 Per year	4,020 per year
27	Doctor of Philosophy (PhD) in Public Administration	Thesis	Part time	60 months	3,000,000 Per year	4,020 per year
28	Doctor of Philosophy (PhD) in Geography	Thesis	Fulltime	36 months	3,000,000 Per year	4,020 per year
29	Doctor of Philosophy (PhD) in Geography	Thesis	Part time	60 months	3,000,000 Per year	4,020 per year
30	Doctor of Philosophy (PhD) in Sociology	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
31	Doctor of Philosophy (PhD) in Sociology	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
32	Doctor of Philosophy (PhD) in Demography	Thesis	Fulltime	36 months	3,000,000 Per year	4,020 per year
33	Doctor of Philosophy (PhD) in Demography	Thesis	Part time	60 months	3,000,000 Per year	4,020 per year
34	Doctor of Philosophy (PhD) in Information Studies	Thesis	Fulltime	36 months	3,000,000 Per year	4,020 per year
35	Doctor of Philosophy (PhD) in Information Studies	Thesis	Part time	60 months	3,000,000 Per year	4,020 per year
36	Doctor of Philosophy (PhD) in Records and Archives Management	Thesis	Fulltime	36 months	3,000,000 Per year	4,020 per year

DEPARTMENT OF GEOGRAPHY
MASTER OF ARTS IN GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT (MA GEM)

1. Introduction

The MA GEM programme was established in 1998 and reviewed in 2009 and 2018. Since 1998, various changes had taken place in the University degree programmes. The review of the MA GEM programme intended to meet new career needs, market demands for postgraduate students and wide-ranging developments in the discipline as well as global development perspectives. The programme focuses on environmental matters and physical planning. It provides students with a systems perspective on environmental issues, focusing on planning processes, countrywide, international and trans-boundary issues. This programme is important for professions related to national and international environmental management by governmental agencies, municipalities, companies and NGO´s.

2. Programme Objectives

i.   Preparing skilled and knowleglable experts in environmental resources management and conservation for sustainable development.
ii. Adhering to the UDSM vision of prioritising postgraduate training and increasing enrollment of postgraduate students.

3. Entry Requirements

Entry requirements for successful participation in this programme will follow the University of Dar es Salaam procedures for assessment of eligibility for entry into the programme. Further selection arrangements, policies and procedures with regard to allocation of places, appeals, University regulations concerning entry requirements, and selection arrangements policies shall apply.

The minimum qualification to the programme is a Bachelor's degree with a score of a lower second class (GPA 3.0) in any field that requires skills in the geospatial discipline, for example, Geography, Environmental Studies, Environmental Engineering, Environmental Management, Rural and Urban Planning, Surveying, Natural Resource Management, Disaster Management, Transportation and Transport Planning. For non-degree applicants to be considered for admission, they should possess a postgraduate diploma in similar disciplines from recognised institutions.

4. Programme Structure

The programme offers a wide range of courses related to Geography and environmental resources management. Of these, 8 are core courses and 8 are elective courses. The programme receives students who have taken a substantial amount of geographic core courses in their undergraduate who are likely to be future Geography teachers, lecturers, or doing geographic research or pursuing higher learning in Geography. Students who have taken Geography with education are accepted in this programme. Students are required to take all core courses as indicated. A student may take one additional elective course from the list provided under a relevant semester or select a course from other relevant programmes. This gives a wide range of areas for which students can choose to specialise. An elective course will only be offered if at least FIVE students opt for it.

5. List of Courses
Year 1: Semester I
Core Courses

Course Code	Course Title	Credits
GE 630	Geographical Thought	12
GE 631	Climate Change and Human Adjustments	12
GE 633	Applied Geographical Information Systems	12
DE 628	Population, Resources and Environment	12

Elective Courses: **Semester I**

Course Code	Course Title	Credits
GE 637	Tourism and Development	12
GE 639	Urban and Rural Development Linkages	12

| GE 641 | Environmental Disaster Management and Sustainable Human Development | 12 |
| GE 643 | Water Resources Planning and Management | 12 |

Core Courses: **Semester II**

Course Code	Course Title	Credits
GE 634	Spatial Development Theories and Environmental Resources Management	12
GE 632	Geographical Research Methods	12
GE 636	Integrated Natural Resources Management	12
GE 645	Strategic Urban Environmental Management	12

Elective Courses: **Semester II**

Course Code	Course Title	Credits
GE 635	Environmental Conservation Policies and Strategies	12
GE 640	Urban Planning and Management in a Globalising World	12
GE 642	Medical Geography	12
GE 644	Environment, Food and Development	12

Year 2: Semester I

Course Code	Course Title	Credits
GE 699	Dissertation	60

6. Programme Evaluation and Examinations
The programme assessment will be based on the combination of continuous assessment (coursework) and final examination. The coursework is set to have 50% and the final written examination carries 50%. The dissertation shall be marked out of 100%. To qualify for university examinations, the student should complete coursework assessment which comprises attending not less than 75% of lectures, practicals and seminars as well as assignments and tests.

MASTER OF ARTS IN PROJECT PLANNING AND MANAGEMENT (MA PPM)
1. Introduction
The Master of Arts in Project Planning and Management (MAPPM) at the Department of Geography, University of Dar es Salaam builds knowledge and skills in the planning and management of development projects and programmes. It is designed to deepen a critical understanding of the strategies, processes, techniques, and issues involved in taking ideas for development and turning them into practical realities with identifiable outcomes and benefits. The programme provides an excellent basis for career enhancement for those with interest and experience in projects for development. The programme covers both introductory and advanced knowledge of project planning and management, and provides skills to manage a complex project within a specific time-frame, ability to monitor resources and manage project information and conflicts.

2. Objectives of the Programme
i.   Producing competent and skilled experts and professionals in project planning and management.
ii.   Fulfilling the UDSM vision of prioritising postgraduate training and increasing enrollment of postgraduate students.

3. Entry Requirements
The minimum qualification to the programme is a bachelor's degree with a score of a lower second class (GPA 2.7) in any related field that requires skills in Geography, Environmental Studies, Civil, Geotechnical and Environmental Engineering, Environmental Management, Rural and Urban Planning, Surveying, Natural Resource Management, Disaster Management, Transportation and Transport Planning. For those without a degree, the University of Dar es Salaam regulation will apply.

4. Programme Structure

The Master of Arts in Project Planning and Management is a multidisciplinary evening programme structured into 180 credits comprising 72 core credits, 60 dissertation credits, and 48 credits derived from elective courses. The programme receives students from a variety of disciplines ranging from Geography, Economics, Business, Information, Sociology, Engineering and related disciplines which have projects to be managed. It aims at creating project managers and can work in monitoring and evaluation, resource mobilisation as well as impact assessment, and project valuation. In each semester, a student will be required to take three core courses and two elective courses. The programme duration is 18 months divided into two semesters. The distribution of courses is as shown in the table below:

5. List of Courses
Year 1: Semester I
Core Courses **Semester I**

Course Code	Course Title	Credits
PM 650	Project Planning and Implementation	12
PM 652	Project Appraisal and Techniques	12
PM 655	Formulation and Assessment of Policies	12
PM 661	Strategic Project Management	12

Elective Courses
Semester I (choose any two)

Course Code	Course Title	Credits
PM 656	Resource Mobilisation and Project Financing	12
PM 664	Project Management Information Systems	12
PM 668	Rural Development and Community Empowerment	12

Core Courses **Semester**

Course Code	Course Title	Credits
PM 659	Impact Measurement and Evaluation Methods	12
PM 665	Principles and Theories of Monitoring and Evaluation	12
PM 667	Professional Skills and Field Practice for Project Managers	12
PM 669	Research Methodology	12

Elective Courses
Semester II (choose any two)

Course Code	Course Title	Credits
PM 653	Participatory Planning and Appreciative Inquiry	12
PM 658	Development Projects and Disaster Management	12
PM 663	Social Entrepreneurship	12

Year 2: Semester II

Course Code	Course Title	Credits
GE 699	Dissertation	60

6. Programme Evaluation and Examinations

The programme assessment will be based on the combination of continuous assessment (coursework) and final examination. All courses offered during the semester shall be examined at the end of that semester unless the Principal of the College gives permission otherwise. In this regards, assessment of the student's progress shall be based on the following grading system:

A: 70-100
B+: 60-69
B: 50-59
C: 40-49
D: 35-39
E: 0-34

For the purpose of degree computation, these grades shall have the values of: A = 5 points, B+= 4 points, B = 3 points, C = 2 points, D = 1 points, and E = 0 point. The coursework is set to have 50% and the final written examination carries 50%. The dissertation shall be marked out of 100%.

At the end of every semester of the year of study, there shall be a final university examination for which only those who passed course assessments shall be allowed to sit. Moreover, all candidates shall abide by all examination regulations of the University of Dar es Salaam. Any irregularity in the conduct of examination will disqualify a candidate from studies. Generally, University of Dar es Salaam examination format will be followed.

MASTER OF SCIENCE IN GEOGRAPHICAL INFORMATION SYSTEMS (MSc GIS)
1. Introduction
On the beginning of the 21st Century, the Geography discipline has undergone accelerate intellectual growth as witnessed by the diversity in academic specialisation. Following the recent advancement in technology and innovations, the Department of Geography has integrated the fast growing spatial science discipline, the Geographical Information Systems (GIS), in teaching, research and knowledge exchange. The department has now developed a spatial science programme, MSc GIS, directed towards addressing social problem sat various spatial scales. The course offers hands-on training using up-to-date software and provides the opportunity to achieve deep theoretical understanding of spatial phenomena and the basics of GIS, database management, cartography and advanced knowledge of GIS and Remote sensing methodologies and applications.

MSc GIS programme serves the twin domain of Geography as a science and arts discipline. The programme also resumes a traditional role of Geography of serving students at UDSM with both Arts and Science background from the three major colleges of Social Sciences, Natural Sciences and Engineering. After completing the programme, a student will have gained theoretical and practical knowledge about the planning, implementation and handling of GIS within diverse disciplines. These skills are highly useful within all areas concerned with spatial phenomena, such as natural and social sciences, medicine, engineering, hydrology, agriculture, forestry, climate change and in spatial planning at local, regional and national levels.

2. Objectives of the Programme
i.   Producing GIS competent and skilled experts and professionals.
ii.   Fulfilling the UDSM vision of prioritising postgraduate training and increasing enrollment of postgraduate students.

3. Entry Requirements
The minimum qualification to the programme is a bachelor's degree with a score of a lower second class (GPA 2.7) in any field that requires skills in the geospatial discipline for example Geomatics, Geoinformatics, Geography, Environmental Studies, Civil, Geotechnical and Environmental Engineering, Environmental Management, Rural and Urban Planning, Surveying, Natural Resource Management, Disaster Management, Transportation and Transport Planning . For non-degree applicants to be considered for admission, they should possess a postgraduate diploma in similar disciplines from a recognised and respected institutions.

4. Programme Structure

Master of Science in Geographical Information Systems (MSc GIS) programme is an 18-month evening programme. The programme is structured in 180 credits, comprising 96 credits for core courses, 24 credits for elective courses and 60 credits for dissertation. The programme takes students from a variety of background mainly in computer science, geography, engineering, geology and other related disciplines. Students taking this programme are aimed at working as GIS experts needed in many offices as a planning, research tool, land use, resource and environment change mapping and integration of social economic attributes assessment. Those who have some GIS or geographic understanding have an added advantage and they can do well as GIS scientists and some can do applied GIS. Students will take four core courses and a minimum of one elective course for each semester. The third semester is reserved for dissertation

5. List of Courses

Year 1: Semester I

Core Courses

Course Code	Course Title	Credits
GE 646	Applied Quantitative Methods in Geography	12
GE 670	Advances in GIS	12
GE 672	Methods in Geographical Information Systems	12
GE 674	Remote Sensing Methods	12

Elective Course: **Semester I**

Course Code	Course Title	Credits
GE 680	Advanced Web Mapping	12
GE 675	Cartography and Geo-visualisation	12
DC 610	Advanced Object Oriented Programming	12
DC 623	Organisation and Management of Information Systems	12
DC 632	Advanced Database Management Systems	12

Core Courses: **Semester II**

Course Code	Course Title	Credits
GE 632	Geographical Research Methods	12
GE 671	Advanced Geographical Information Systems	12
GE 673	Geospatial Decision Support Systems	12
GE 678	Digital Image Processing and Interpretations	12

Elective Course: **Semester II**

Course Code	Course Title	Credits
GE 676	Spatial Change Modelling	12
GE 677	Participatory Geographical Information Systems (PGIS)	12
GE 664	Project Information Management	12
DC 611	Open Source Software Development	12

Year 2: Semester I

Course Code	Course Title	Credits
GE 699	Dissertation	60

6. Programme Evaluation and Examinations

The programme assessment will be based on the combination of continuous assessment (coursework) and final examination. The coursework is set to have 50% and the final written examination carries 50%. The dissertation shall be marked out of 100%. The general University of Dar es Salaam examination format will be followed.

MASTER BY THESIS

This programme involves students who want to do their master's programme by research only. They can come from a variety of disciplines but wanting to do a geographic related research topic. Those who intend to work in research institutions or institutions of higher learning can opt for this programme. Students with high GPA and Geography related concept notes can be selected easily into this programme.

DOCTOR OF PHILOSOPHY IN GEOGRAPHY (PhD GEOGRAPHY) BY COURSEWORK AND DISSERTATION

1. Introduction

The PhD by coursework and dissertation programme in the Department of Geography, at the University of Dar es Salaam, is unique in Tanzania and in the broader eastern Africa region. The PhD by coursework and dissertation programme not only increases enrolment and offers education at affordable cost, but also focuses on a balance between basic and demand-driven geographical science to make knowledge creation relevant to the country and to the continent. Graduates of PhD in Geography will have acquired: ability to create and interpret new knowledge through original research, or any other advanced publications; a systematic understanding of a substantial body of knowledge which is at the forefront of the academic discipline; increasing creativity of solving critical problems through research and innovation; ability to deal with complex ethical and professional issues and make informed judgments on issues not addressed by current professional and/or ethical codes and practice.

2. Objectives of the Programme

i.   Preparing skilled, knowleglable and competent proffessionals of higher learning institutions and experts in the civil service and private sectors.
ii.   Adhering to the UDSM vision of prioritising postgraduate training and increasing enrollment of postgraduate students.

3. Entry Requirements

The applicant must have completed a good master's degree in Geography or any related field from a recognised university.

4. Programme Structure

A time schedule of the PhD in Geography by coursework and dissertation is four (4) years, including 208 weeks of lectures and examined courses, a comprehensive examination, writing and presentation of a research proposal, field work, data analysis, writing of the dissertation and viva voce. The coursework will be completed in the first semester of the second year. The second semester of the second year of study will be set aside for the comprehensive examination (8 weeks) and preparation and presentation of the PhD research proposal (31 weeks). The third and fourth academic years of the programme will be devoted to fieldwork, data analysis, writing and defence of the dissertation.

Required Coursework Credits for Each PhD student

Course category	Number of Courses	Credits per course	Total Credits
Core Courses	5	24	120
Elective Courses	3	24	72
Total	**8**		**192**

Two core courses, and at least one elective course for semester I and II of Ist year; and one core course, with at least one elective one for Ist semester of 2nd year.

5. List of Courses

Core Courses

Course Code	Course Title	Credits
GE.700	The Philosophy of Geography	12
GE.701	The Biophysical Environment	12
GE.702	Human Geography and Patterns of Human Development	12
GE.703	Advanced Geographical Research Methods	12
GE.706	Advanced Geographical Information Systems Techniques	12

Elective Courses in Physical Geography

Course Code	Course Title	Credits
GE 704	Orthodox and Contemporary Theories in Physical Geography	12
GE 708	Environmental Policy and Natural Resource Management	12
GE 710	Water Resources Planning, Development and Management	12
GE 714	Land Use Planning and Management	12

NB: Students who wish to specialise in Physical Geography will opt for any three (3) of the above indicated courses.

Elective Courses in Human Geography

Course Code	Course Title	Credits
GE 705	Orthodox and Contemporary Theories in Human Geography	12
GE 707	Spatial Interaction and Regional Development	12
GE 709	Migration and Environmental Impacts in Africa	12
GE 715	Environmental Disaster Risk Management and Development	12

NB: Students who wish to specialise in Human Geography will opt for any three (3) of the above indicated courses.

Elective Course in Skills-Based Geography

Course Code	Course Title	Credits
GE 716	Techniques and applications of Remote Sensing	12

NB: Students who wish to specialise in Skills-Based Geography will opt for the above indicated course.

Elective Courses from Outside of the Department*

Course Code	Course Title	Credits
PS 729	Conflict Management and Resolution in Africa	12
EC 719	Environmental Economics I	12
EC 720	Environmental Economics II	12

***One course is required for assessment**

6. Programme Evaluation and Examinations

During coursework phase, assessment will be based on assignments, tests and the University Examination whereas the write-up phase will be assessed through comprehensive examination, research proposal and dissertation.

All courses offered during the semester shall be examined at the end of that semester unless the Principal of the College gives permission otherwise. In this regards, assessment of the student's progress shall be based on the following grading system:

A: 70-100
B+: 60-69
B: 50-59
C: 40-49
D: 35-39
E: 0-34.

For purposes of degree computation, these grades shall have the value of: A = 5 points, B+= 4 points, B = 3 points, C = 2 points, D = 1 points, and E = 0 point. The pass mark in each of the course taken shall be "B". The mark for "absolute fail" shall be a "C" Grade. Course Assessment (CA) will comprise 50% similar to the University Examination (UE).

PhD BY THESIS

This aims at training students who want to do geographic related research of higher level where contribution to knowledge production (thesis) is a condition for graduation. It accepts students from different background, but with concept notes that are geographic related.

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

The following postgraduate programmes are offered by the Department of Sociology and Anthropology.

MASTER OF ARTS IN SOCIOLOGY (MA SOCIOLOGY)

1. Objective of the Programme

Sociology as a discipline focuses on a "Critical Science of Society". The subject matter is on development, structure and functioning of human society and social problems. Master of Arts in Sociology (MASO) orients students to the study of human social relationships and institutions and offers an understanding of how both human action and consciousness shape and are shaped by surrounding cultural and social structures.

2. Entry Requirements

The programme targets applicants with a good background in Sociological or Anthropology theories. The minimum entry qualifications for a taught master's programme at the University of Dar es Salaam is a pass degree (GPA of 2.7). For non-degree applicants to be considered for admission they should possess an advanced diploma and a postgraduate diploma with training in Sociological theories. The status of this programme is full-time, lasting for 18 months.

3. Assessment

The assessment for the MASO degree includes coursework, final examination and dissertation writing. Specifically, the programme assessment is based on the combination of continuous assessment.

4. List of Courses
5. Core Courses

Course Code	Course Title	Credits	Semester
SO 602	Graduate Seminar	12	I
SO 604	Advanced Classical Sociological Theories	12	I
SO 606	Advanced Qualitative Research Methods	12	I
SO 605	Advanced Contemporary Sociological Theories	12	II
SO 607	Advanced Quantitative Research Methods	12	II

Core Courses

Course Code	Course Title	Credits	Semester
SO 699	Dissertation	60	III

Specialisation I: Rural Development

Course Code	Course Title	Credits	Semester
SO 615	Rural Environment and Resource Use	12	I
SO 654	Rural Development Policy and Planning	12	I
SO 655	Advanced Studies in Community Development	12	II
SO 657	Demographic Change and Rural Development	12	II

Specialisation II: Social Welfare and Administration

Course Code	Course Title	Credits	Semester
SO 662	Social Security and Policy Scheme	12	I
SO 642	Medical Anthropology and Sociology	12	I
SO 661	Social Welfare and Administration	12	II
SO 665	Social Policy Methods	12	II

Elective Courses

Course Code	Course Title	Credits	Semester
SO 641	Gender Relations and Population	12	I
SO 602	Graduate Seminar	12	I
LW 652	Social Security Law	12	I
MS 601	Organisation Theory and Management	12	I
LW 628	Human Rights Law	12	II
MK 611	Entrepreneurship Development	12	II

MASTER OF PUBLIC HEALTH (MPH)
1. Objective of the Programme
The Master of Public Health (MPH) programme is designed to offer students with knowledge and analytical skills to promote public health and disease prevention. MPH focuses on a multidisciplinary approach to public health issues emphasising on the role of socio-economic, behavioural, biological and societal determinants of health and diseases.

2. Entry Requirements
The minimum entry requirements of the programme include a bachelor's degree from any recognised university with a GPA of 3.0 and above with a background in social sciences related discipline, biological sciences, and environmental sciences. It also targets doctors, dentists, pharmacists or graduate nurses from a recognised university with at least a lower second class in their final university examinations. The programme is delivered as an evening class scheduled from 17:00 to 20:00, Monday through Friday, over a total duration of 18 months.

3. Assessment
The programme assessment is based on the combination of continuous assessment (coursework) and final examination. The coursework is set to have 50% and the final written examination carries 50%. The dissertation shall be marked out of 100%.

4. List of Courses

Course Code	Course Title	Credits	Semester
MPH 601	Foundations of Public Health	12	I
MPH 602	Epidemiology and Biostatistics	12	I
MPH 603	Health Services Organisation and Management	12	I
MPH 604	Health Promotion and Behaviour Change	12	I
MPH 605	Health Financing and Health Economics	12	I
MPH 606	Public Health Research Methods	12	II
MPH 607	Health Policy Analysis	12	II
MPH 608	Health Information for Health Systems Management	12	II
MPH 609	Health Systems Analysis	12	II
MPH 610	Contemporary Public Health Issues	12	II
MPH 699	Dissertation	60	III

DOCTOR OF PHILOSOPHY IN SOCIOLOGY (PhD SOCIOLOGY) BY THESIS

1. Introduction

The Department of Sociology offers a three years PhD programme by thesis (360 Credits).

2. Entry Requirements

Subject to the General Regulations and Guidelines for Postgraduate Study Programmes of the University of Dar es Salaam, the minimum entry qualification is a BA degree from any recognised University or equivalent with a GPA of 3.8 and 4.0 for undergraduate and postgraduate study. The candidate must have a strong background in Sociological theories and methodologies.

3. Assessment

The assessment in the programme includes a research proposal which undergoes a process of approval at the repective department (through presentation) and college levels. It also includes a pre-viva voce and viva voce examination.

4. Structure and Delivery

The PhD (Sociology) is by thesis.

DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC ADMINISTRATION

The following postgraduate programmes are offered by the Department of Political Science and Public Administration:

MASTER OF ARTS IN POLITICAL SCIENCE

1. Objective of the Programme

MA in Political Science seeks to develop advanced theoretical knowledge and practical skills relating to understanding the nature and structure of political systems and political behaviour and their interactions with socioeconomic institutions, both at national and international levels.

2. Target Group

The target group of the programme broadly includes researchers and practitioners who want to build advanced competences related to local and international politics and political analysis. The programme broadly targets graduates in fields including political analysis, political parties and party politics, electoral institutions, local government and governance, state-civil society relations, democracy and democratic process, political economy, diplomacy and foreign relations, as well as political systems and ecology.

3. Structure and Delivery

The MA in Political Science allows students to concentrate on either International Relations or Politics. Students pursuing MA in Political Science are required to take 180 credits consisting of 120 coursework credits and 60 credits for the dissertation as detailed below:

S/N	Details	Credits
1	Core Courses	48
2	Major Area of Concentration: Core Courses	24
3	Electives	48
4	Dissertation	60
Total		**180**

Each course, other than the dissertation, carries 12 credits. The dissertation carries 60 credits. The Major Areas of Concentration are International Relations and Politics.

4. List of Courses

Core Courses: 48 Credits

Course Code	Course Title	Credits
PS 601	Qualitative Methods of Social Science Research	12
PS 603	Political Analysis	12
PS 604	Political Theory	12
PS 618	International Relations: Approaches and Issues	12

i) International Relations Concentration
Core Courses: 24 Credits

Course Code	Course Title	Credits
PS 620	Public International Law	12
PS 622	International Political Economy	12
PS 628	Security, Conflict and War	12
PS 626	African International Relations	12

Elective Courses: 48 Credits

Course Code	Course Title	Credits
PS 602	Data Analysis Methods and Techniques	12
PS 614	Human Rights and Human Rights Law	12
PS 619	International Organisation	12
PS 620	Regional Integration	12
PS 629	Foreign Policy and Diplomacy	12
PS 630	Conflict Resolution and Peace Studies	12
PS 633	Conflict Management and Resolution in Africa	12
PS 650	Topics/Directed Study	12

Dissertation: 60 Credits

Course Code	Course Title	Credits
PS 699	Dissertation	60

ii) Politics Concentration
Core Courses: 24 Credits

Course Code	Course Title	Credits
PS 607	Comparative Politics	12
PS 611	Contemporary Political Thought	12
PS 614	African Political Thought	12
PS 614	Democratic Theory and Practical	12

Elective Courses: 48 Credits

Course Code	Course Title	Credits
PS 639	Area Studies: One of the following – America, Europe, Asia, Middle East, China, Caribbean and Latin America	12
PS 602	Data Analysis Methods and Techniques	12
PS 610	The State and the Economy	12
PS 611	Gender and Governance	12
PS 616	Identity and Politics	12
PS 624	Classical Political Thought	12
PS 634	Issues in Comparative Politics	12
PS 635	Islamic Political Thought	12
PS 638	Selected Issues in Political Thought	12
PS 650	Special Topics/Directed Study	12

Dissertation: 60 Credits

Course Code	Course Title	Credits
PS 699	Dissertation	60

5. Entry Requirements

The minimum qualification for entry to the programme is a bachelor's degree with a score of a lower second class (GPA 2.7) in any field that requires skills in the political science disciplines such as politics, international relations and public administration. For non-degree applicants to be considered for admission, they should possess a postgraduate diploma in similar disciplines from recognised institutions.

6. Assessment

The programme assessment will be based on the combination of continuous assessment (coursework) and final examination. The coursework is set to have 50% and the final written examination carries 50%. The dissertation shall be marked out of 100.

MASTER OF ARTS IN PUBLIC ADMINISTRATION

1. Objective of the Programme

The objective of MA in Public Administration programme is to offer advanced knowledge and skills that graduate from different public and private organisations require to become the best architects of corporate management and administrative systems and strategies. The programme provides challenging learning opportunities that will transform learners into strategic reformers of modern organisations and organisational process to enhance administrative efficiency and effectiveness as well as understanding the principles and best practices for managing the relationship between governmental. and non- government institutions as they interact in the process of making and implementing public policies as well as delivery public goods and services.

2. Target Group

The target group for the MA Public Administration programme is researchers and practitioners who are employed in the government and private institutions that contribute to policy implementation and service delivery. The targets are the individuals aspiring to grow into corporate-levels of the organisations that involve making challenging decisions and managing as well as coordinating the key resources in complex organisational environments.

3. Structure and Delivery

Students pursuing MA in Public Administration are required to take 180 credits consisting of 120 coursework credits and 60 credits for the dissertation as detailed below:

S/N	Details	Credits
1	Five Core Courses	72
2	Four Elective Courses	48
3	Dissertation	60
Total		**180**

Each course, other than the dissertation, carries 12 credits. The dissertation carries 60 credits.

4. List of Courses

Core Courses: 72 Credits

Course Code	Course Title	Credits
PS 601	Qualitative Methods of Social ScienceResearch	12
PA 602	Data Analysis Methods and Techniques	12
PA 603	Administrative Theory (Models, Concepts,Paradigms)	12
PA 604	Public Finance Management	12
PA 605	Public Policy	12
PA 606	Human Resource Management	12

Elective Courses: 48 Credits

Course Code	Course Title	Credits
PA 616	Corporate Governance	12
PA 607	Administrative and Labour Law	12
PA 617	Local Governance	12
PS 611	Gender and Governance	12
PA 618	Organisation Development and Change	12
PA 625	Managing Public Services	12

Dissertation: 60 Credits

Course Code	Course Title	Credits
PS 699	Dissertation	60

5. Entry Requirements

The minimum entry qualification for the programme is a bachelor's degree with a score of a lower second class (GPA 2.7) in any field that requires skills in the political science disciplines such as politics, international relations and public administration. For non-degree applicants to be considered for admission, they should possess a postgraduate diploma in similar disciplines from recognised institutions.

6. Assessment

The programme assessment will be based on the combination of continuous assessment (coursework) and final examination. The coursework is set to have 50% and the final written examination carries 50%. The dissertation shall be marked out of 100%.

MASTER OF RESEARCH AND PUBLIC POLICY (MRPP)
1. Objective of the Programme

The programme provides advanced knowledge and skills in doing policy-relevant research and using research to improve public policies. The MRPP programme intends to produce high quality graduates equipped to pursue scholarly research that is policy relevant and contribute to evidence-informed policy practice. It also intends to advance scholarship in policy research and support policy institutions including research institutions, universities and think tanks to have impact on public policy and development.

2. Target Group

MRPP is a multidisciplinary programme that targets graduates from all academic backgrounds. However, the enrolees need to be open minded and flexible to develop interest in and use research (as policy practitioners) to influence, inform or shape public policy through their work. The ideal enrolees are those who work in research and policy institutions. These include national and sub-national government bodies, think tanks, advocacy organisations, media, private sector, regional, and international organisations.

3. Structure and Delivery

The Master of Research and Public Policy is a two-year evening programme covered in four semesters that includes field experience and research preparation. The programme entails five courses in each semester during the first year. This is followed by a long break for field experience in a policy or research institution where students will refine research ideas and start data collection. In the second year, three courses are offered, while the rest of the time is devoted to dissertation research. Core courses address essential competencies needed by all students whether they choose either the Research or Policy Practice pathway.

Students pursuing MA in Research and Public Policy are required to take 204 credits consisting of 156 coursework credits and 48 credits for the dissertation as detailed below:

S/N	Details	Credits
1	10 Core Courses	120
2	3 Pathway Courses	36
3	Dissertation	48
Total		**204**

Each course, other than the dissertation, carries 12 credits. The dissertation carries 48 credits.

4. List of Courses
Core Courses: 120 Credits

Course Code	Course Title	Credits
RP 601	Qualitative Methods of Social Science Research	12
RP 602	Quantitative Research Methods for Public Policy	12
RP 603	Public Policy Development and Analysis	12
RP 604	Governance & Politics of Public Policy	12
RP 605	Social Science Foundations for Public Policy	12
RP 609	Economics for Public Policy	12
RP 613	Ethics in Research and Public Policy	12
RP 614	Research, Policy and Public Interface	12
RP 615	Gender, Social Diversity, Equity and Public Policy	12
PR 616	Leadership and Public Policy	12

5. Research Pathway: 36 Credits

Course Code	Course	Course
RP 606	Advanced Quantitative Methods	12
RP 607	Advanced Qualitative Methods	12
RP 608	Applied Policy Analyses	12

Policy Practice Pathway: 36 Credits

Course Code	Course Title	Credits
RP 610	Contemporary Issues in Public Policy	12
RP 611	Political Economy of Public Policy	12
RP 612	Global Context of Public Policy	12

Dissertation: 48 Credits

Course Code	Course Title	Credits
RP 699	Dissertation	48

6. Entry Requirements
Subject to the General Regulations and Guidelines for Postgraduate Study Programmes of the University of Dar es Salaam, the minimum entry requirement for the MRPP programme is a master's degree or an upper second-class bachelor's degree (or its equivalent GPA), or higher; or a lower second-class bachelor's degree, but accompanied by either, at least two years of work experience in a research or policy field, or another postgraduate diploma.

7. Assessment
The assessment in the programme includes a series of continuous assessment activities (50%) and end of the semester university examination (50%). Upon successful completion of the coursework and continuous assessment requirements, students will conduct research and write a dissertation that will be examined out of 100%.

MASTER OF ARTS IN STRATEGIC AND PEACE STUDIES
1. Objective of the Programme
Training a cadre of high-level human resources to acquire advanced knowledge in conflict resolution and national defence and security. Priority will be given to capacity development in producing objective and rigorous analysts who can easily and promptly respond to conflict situations and deal with needs of defence and security policy research and decision-making.

2. Target Group
The programme targets officials who are working in peace, security, and defense institutions. It is also appropriate for officials who are developing competencies for managing strategic and high-level operations in international peacekeeping and humanitarian response institutions.

3. Structure and Delivery
The MA in Strategic and Peace Studies allows students to concentrate on either Strategic Studies or Peace Studies. Students are required to take 180 credits consisting of 120 coursework credits and 60 credits for the dissertation as detailed below:

S/N	Details	Credits
1	Five Core Courses	60
2	Five Elective Courses	60
3	Dissertation	60
	Total	**180**

Each course, other than the dissertation, carries 12 credits. The Research Paper carries 60 credits. The coursework section is divided into core courses and two areas of concentration, namely Strategic Studies and Peace Studies. Each student will be required to take five core courses and five elective ones, two of which must come from their area of concentration.

4. List of Courses
i) Core Courses: Strategic Studies Concentration 60 Credits

Course Code	Course Title	Credits
PS 601	Qualitative Methods of Social Science Research	12
PS 618	International Relations: Approaches and Issues	12
PS 628	Security, Conflict and War	12
SS 604	Defense and Security: Policy and Strategy	12
PA 605	Public Policy	12

ii) Core Courses: Peace Studies Concentration 60 Credits

Course Code	Course Title	Credits
PS 601	Qualitative Methods of Social Science Research	12
PS 630	Conflict Resolution and Peace Studies	12
PS 633	Conflict Management and Resolution in Africa	12
SS 608	Global Security Management	12
SS 616	Post-Conflict Reconstruction	12

Elective Courses: 60 Credits

Course Code	Course Title	Credits
SS 602	Environment, Resources, and Conflict	12
SS 604	Defense and Security: Policy and Strategy	12
SS 607	Comparative Military Systems	12
SS 608	Global Security Management	12
SS 611	Arms Control and Disarmament	12
SS 614	Regional Security	12
SS 616	Post-Conflict Reconstruction	12

SS 617	Civil Military Relations	12
SS 618	Terrorism and Counter Terrorism	12
SS 619	Migration and Refugees	12
PS 615	Democratic Theory and Practice	12
PS 618	International Relations: Approaches and Issues	12
PS 620	Public International Law	12
PS 628	Security, Conflict and War	12
PS 611	Gender and Governance	12
PS 614	Human Rights and Human Rights Law	12
PS 616	Identity and Politics	12
PS 629	Foreign Policy and Diplomacy	12
PS 630	Conflict Resolution and Peace Studies	12
PS 633	Conflict Management and Resolution in Africa	12
PA 605	Public Policy	12
LW 602	International Humanitarian Law	12

Dissertation: 60 Credits

Course Code	Course Title	Credits
PS 699	Dissertation	60

5. Entry Requirements
The minimum qualification to the programme is a Bachelor's degree with a score of a lower second class (GPA 2.7) in any field that requires skills in a strategic discipline, for example, Political Science, Public Administration, Sociology, Economics, Geography, Natural Resource Management, Law, and Business Administration. For non-degree applicants to be considered for admission, they should possess a postgraduate diploma in similar disciplines from recognised institutions.

6. Assessment
The programme assessment will be based on the combination of continuous assessment (coursework) and final examination. The coursework is set to have 50% and the final written examination carries 50%. The dissertation shall be marked out of 100.

DOCTOR OF PHILOSOPHY (PhD) PROGRAMMES
The department offers two distinct PhD programmes by coursework and dissertation; one in Political Science and the other in Public Administration. The department also offers PhD programme by thesis.

DOCTOR OF PHILOSOPHY (PhD) BY THESIS
1. Introduction
The department offers a three-year PhD programme by thesis.

2. Entry Requirements
Subject to the General Regulations and Guidelines for postgraduate Study Programmes of the University of Dar es Salaam, the minimum entry qualification is a BA degree in Political Science and Public administration from any recorgnised University with a minimum GPA of 3.8; and an MA degree with a minimum GPA of 4.0 in Political Science and Public Administration. The candidate must have a strong foundation in political science theories and research methodology.

3. Assessment
The assessment in the programme includes research proposal which undergoes a process of approval at the department, which includes proposal presentation to a seminar, and departmental postgraduate committee; a pre-viva voce, and viva voce examination.

PhD IN POLITICAL SCIENCE BY COURSEWORK AND DISSERTATION
1. Objective of the Programmme
The programme aims at creating a pool of well-trained academics in the field of Political Science who wish to work as political analysts and practitioners at both national and international levels. It also aims

at meeting staffing needs of universities and higher learning institutions in Tanzania and other countries in Eastern and Southern Africa.

2. Target Group

The programme targets potential employees for public service organisations, independent think tanks and development institutions in Tanzania and the region, especially those seeking to enhance their analytical skills and knowledge base in the areas of politics and development.

3. Structure and Delivery

Students pursuing a PhD in Political Science are required to take 648 credits consisting of 216 coursework credits and 432 for the dissertation as detailed below:

S/N	Details	Credits
1	Core Courses	108
2	Major Area of Concentration: Core Courses	72
3	Elective Courses	36
4	Dissertation	432
Total		**648**

The Major Areas of Concentration are Public Administration, International Relations and Politics.

4. List of Courses

Core Courses: 108 Credits

Course Code	Course Title	Credits
PS 701	Qualitative Methods of Social Science Research	18
PS 703	Political Analysis	18
PS 704	Political Theory	18
PS 718	International Relations: Approaches and Issues	18
PS 702	Data Analysis Methods and Techniques	18
PA 703	Administrative Theory (Models, Concepts, Paradigms)	18
PS 799	Dissertation	432

Major Areas of Concentration

Three areas of concentration are offered, which are International Relations, Public Administration, and Politics.

International Relations Concentration

Core Courses: 72 Credits

Course Code	Course Title	Credits
PS 720	Public International Law	18
PS 722	International Political Economy	18
PS 728	Security, Conflict, and War	18
PS 726	African International Relations	18

Elective Courses: 36 Credits

Course Code	Course Title	Credits
PS 714	Human Rights and Human Rights Law	18
PS 719	International Organisation	18
PS 720	Regional Integration	18
PS 729	Foreign Policy and Diplomacy	18
PS 730	Conflict Resolution and Peace Studies	18
PS 733	Conflict Management and Resolution in Africa	18
PS 750	Special Topics/Directed Study	18

Public Administration Concentration
Core Courses: 72 Credits

Course Code	Course Title	Credits
PA 704	Public Finance Management	18
PA 705	Public Policy	18
PA 706	Human Resource Management	18
PA 708	Comparative Public Administration	18

Elective Courses: 36 Credits

Course Code	Course Title	Credits
PA 709	Corporate Governance	18
PA 707	Administrative and Labour Laws	18
PA 713	Employee and Labour Relations	18
PA 717	Local Governance	18
PA 718	Organisation Development and Change	18
PA 725	Managing Public Services	18
PS 711	Gender and Governance	18

Politics Concentration
Core Courses: 72 Credits

Course Code	Course Title	Credits
PS 707	Comparative Politics	18
PS 711	Contemporary Political Thought	18
PS 714	African Political Thought	18
PS 715	Democratic Theory and Practice	18

Elective Courses: 36 Credits

Course Code	Course Title	Credits
PS 739	Area Studies: One of the following – America, Europe, Asia, Middle East, China, Caribbean and Latin America	18
PS 710	The State and the Economy	18
PS 711	Gender and Governance	18
PS 716	Identity and Politics	18
PS 724	Classical Political Thought	18
PS 734	Issues in Comparative Politics	18
PS 735	Islamic Political Thought	18
PS 738	Selected Issues in Political Thought	18
PS 750	Special Topics/Directed Study	18

5. Entry Requirements
Subject to the General Regulations and Guidelines for Postgraduate Study Programmes of the University of Dar es Salaam, the minimum entry qualification is a BA degree from the University of Dar es Salaam or its equivalent with a GPA of 3.8 and an MA from University of Dar es Salaam with a GPA of 4.0.

6. Assessment
The assessment in the programme includes a series of continuous assessment activities (50%) and the university examination (50%). Upon successful completion of the coursework, students will conduct research and write a dissertation that will be examined out of 100%.

PhD IN PUBLIC ADMINISTRATION BY COURSEWORK AND DISSERTATION
1. Objective of the Programme
The programme focuses on preparing skilled and knowledgeable experts in public administration and its allied sub-fields for development.

2. Target Groups
The PhD in Public Administration programme targets graduates from different academic backgrounds who
want to contribute to the advancement of knowledge in the areas of public administration and public management research and practice.

3. Structure and Delivery
The PhD in Public Administration requires students to take 648 credits consisting of 216 coursework credits and 432 credits for the dissertation.

S/N	Details	Credits
1	Core Courses	108
2	Major Area of Concentration	72
3	Elective Courses	36
4	Dissertation	432
Total		**648**

Each course, other than the dissertation, carries 18 credits. The dissertation carries 432 credits.

4. List of Courses
Core Courses: 108 Credits

Course Code	Course Title	Credits
PS 701	Qualitative Methods of Social Science Research	18
PS 702	Data Analysis Methods and Techniques	18
PA 703	Administrative Theory (Models, Concepts, Paradigms)	18
PA 704	Public Finance Management	18
PA 705	Public Policy	18
PA 706	Human Resource Management	18
PS 799	Dissertation	432

Major Area of Concentration: 72 Credits

Course Code	Course Title	Credits
PA 708	Comparative Public Administration	18
PA 709	Corporate Governance	18
PA 708	Performance Management	18
PA 713	Employee and Labour Relations	18
PA 717	Local Governance	18
PA 718	Organisational Development and Change	18
PA 750	Special Topics/Directed Study	18

Elective Courses
36 credits selected from university wide graduate courses.

5. Entry Requirements
Entry requirements are subject to the General Regulations and Guidelines for Postgraduate Study Programmes of the University of Dar es Salaam, the minimum entry qualification is a BA degree from the University of Dar es Salaam or its equivalent with a GPA of 3.8 and an MA from University of Dar es Salaam with a GPA of 4.0.

6. Assessment
The assessment in the programme includes a series of continuous assessment activities (50%) and end of the semester university examination (50%). Upon successful completion of the coursework, students will conduct research and write a dissertation that will be examined out of 100%.

DEPARTMENT OF STATISTICS

PROGRAMME OFFERED BY THE UNIT

DOCTOR OF PHILOSOPHY (PhD)

PhD is a three-year programme offered by thesis.

MASTER OF SCIENCE IN STATISTICS
1. Introduction
Recent changes in the economy and the growing reliance of businesses and government agencies on data have created an increased demand for personnel who can manage data and produce informative visualisations of data that are guided by fundamental statistical principles. Furthermore, there is an urgent need to produce academics who will handle statistics courses in universities and other higher learning institutions.

Statistics play increasingly important roles as there is a strong demand for advanced degrees in Statistics, both from students and the job market. Successful analysis of complex models illuminates the role and interaction of key components in the system being studied and provides essential tools for evaluating and improving system performance. The MSc programme in Statistics with specialisations in Biostatistics, Econometrics, Machine Learning, Statistical Computations and Operations Research keeps data evolution agenda forward.

2. Objectives of the Programme
The main objective of the programme is to impart practical statistical knowledge and skills needed in the modern society. Specific objectives are to:
i.   train people to fill the academic posts in universities and higher learning institutions; and
ii.   train people to fill the statistical post in all sectors to facilitate efficient and appropriate decision-making mechanisms.
The strength of the current staff and rapidly emerging field of data science emphasises on the Computational and Computer-Intensive Statistics; Applied Multivariate Analysis; Social Statistics; Machine Learning; Data Mining and Spatial Statistics. The sequence of model development, analysis, simulation and interpretation of data demands application of statistical methods at a level that often requires the knowledge and skills acquired during the master's programme.

3. Entry Requirements
Admission to the Master of Statistics will require the applicant to satisfy the general regulations and guideline for postgraduate study programmes of the University of Dar es Salaam. Applicants should have a background in statistics and a minimum GPA of 2.7 in their bachelor's degree.

4. Programme Structure
Master of Statistics is a two-pronged pathway programme, comprising Theory of Statistics and Applied Statistics. **Theory of Statistics** is a pathway which brings together three crucial areas of statistical knowledge required for a sound foundation in statistical training. The frequentists' approach that is used in most courses in Statistics is combined with Bayesian fundamentals and nonparametric inference. Appropriately, sampling theory and time series are also well expounded in this pathway. In **Applied Statistics** pathway, issues such as data Management, Biological Process analysis, business forecasting, data mining, statistical learning and Monte-Carlo experiment feature has been addressed. Student will be awarded with Master of Science in Statistics.

5. List of Courses

Learning and Course matrix for Statistics Theory Pathway[1]			
Year 1: Semester I			
Course Code	Course Title	Status	Credits
ST 637	Probability and Random Process	Core	12
ST 639	Advanced Sampling Theory and Methods	Core	12

ST 641	Multivariate Analysis	Core	12
ST 644	Statistical Data Analysis and Management	Elective	12
ST 646	Computational Statistics	Elective	12
ST 650	Statistical Methods in Epidemiology and Biostatistics	Elective	12
ST 652	Actuarial Statistics	Elective	12
ST 653	Advanced Design and Analysis of Experiments	Elective	12
ST 655	Statistical Process Control	Elective	12
Minimum Credits Required			**60**
Year 1: Semester II			
ST 638	Research Methods	Core	12
ST 640	Time Series Analysis	Core	12
ST 643	Bayesian Statistics	Core	12
ST 642	Nonparametric Inference	Elective	12
ST 645	Generalised Linear and Additive Models	Elective	12
ST 647	Spatial Modelling	Elective	12
ST 648	Applied Data Mining and Statistical Learning	Elective	12
ST 649	Survival and Lifetime Data Analysis	Elective	12
ST 651	Operations Research for Decision Making	Elective	12
ST 654	Advanced Econometrics	Elective	12
	Minimum required Credits		**60**
Year 2: Dissertation			
ST 699	Dissertation	Core	60

Four Elective Courses to be taken

Learning and Course Matrix for Applied Statistics Pathway[1]			
Semester 1: Year 1			
Course Code	**Course Title**	**Core or Elective**	**Credits**
ST 641	Multivariate Analysis	Core	12
ST 644	Statistical Data Analysis and Management	Core	12
ST 637	Probability and Random Process	Elective	12
ST 639	Advanced Sampling Theory and Methods	Elective	12
ST 646	Computational Statistics	Elective	12
ST 650	Statistical Methods in Epidemiology and Biostatistics	Elective	12
ST 652	Actuarial Statistics	Elective	12
ST 653	Advanced Design and Analysis of Experiments	Elective	12
ST 655	Statistical Process Control	Elective	12
Minimum Required Credits			**60**
Year 1: Semester II			
ST 638	Research Methods	Core	12
ST 643	Bayesian Statistics	Core	12
ST 640	Time Series Analysis	Elective	12
ST 642	Nonparametric Inference	Elective	12
ST 645	Generalised Linear and Additive Models	Elective	12
ST 647	Spatial Modelling	Elective	12
ST 648	Applied Data Mining and Statistical Learning	Elective	12
ST 649	Survival and Lifetime Data Analysis	Elective	12
ST 651	Operations Research for Decision Making	Elective	12
ST 654	Advanced Econometrics	Elective	12
	Minimum Credits Required		**60**
Year 2: Dissertation			
ST 699	Dissertation	Core	60

Six Elective Courses to be taken
[1]Selection of the pathway will be done at the beginning of registration based on entry qualification.

6. Programme Evaluation and Examinations
The first review of the programme will be conducted after it has been offered for five years and subsequent reviews will be conducted after every three years. The process will involve stakeholders such as college members, alumni, and employers. In future, a tracer study of alumni will be conducted to get detailed feedback from their work locations.

UDSM General University Examinations Regulations shall apply. Assessment for each course will constitute a combination of continuous assessment (50%) (based on written tests, project and assignments) and final university examination (50%). The written examination will follow the standard UDSM format for University Examinations. The general University of Dar es Salaam Examination Rules and Regulations shall apply. Specifically, all coursework examination results must be submitted to the relevant Boards of the Colleges/Schools/ Institutes, SPSC and Senate for approval. Presentation of examination results to Boards of Colleges/Schools/Institutes; SPSC and Senate shall be in accordance with the University approved format.

INFORMATION STUDIES UNIT
PROGRAMMES OFFERED
Objective of the Programme
The objective of the programme is to provide students with advanced knowledge in library and information science profession to enable them work in libraries and information units, documentation centres as librarians/information scientists/ documentalists.
DOCTOR OF PHILOSOPHY (PhD)
PhD is a three-year programme offered by thesis.

MASTER'S PROGRAMMES OFFERED BY THE UNIT

MA INFORMATION STUDIES
1. Introduction
The taught master's programme (Regular & Evening Programme) takes 18 months, consisting of two semesters of classroom instructions. Students should take a total of 124 credit hours, 108 of which are compulsory and 16 are elective. The remaining nine months are for research work leading to a dissertation which carries 60 credits.

2. Qualifications for Admission
MA in Information Studies is a multidisciplinary course. For a taught MA programme, a candidate must have a lower second-class bachelor's degree in any field as a minimum entry qualification. For PhD and MA programmes by thesis, a candidate must have an upper second-class bachelor's degree.

3. Duration of the Programme
The programme is offered to full-time students and lasts for 18 months. Nine months are for coursework phase and other nine for dissertation.

4. Structure of the Programme
The MA programme consists of two semesters of classroom instruction. Students should take a total of 124 credit hours, 108 of which are compulsory and 16 are elective. The remaining nine months are for research work leading to a dissertation which carries 60 credits.

5. Course Evaluation
For PhD and MA programmes by thesis, evaluation is based on thesis; and for a taught MA programme, evaluation is based on coursework as follows:
Coursework: 50%
University Examinations: 50%; and the dissertation is graded.

6. List of Courses
Year 1: Semester I

Course Code	Course Title	Status	Credits
IL 634	IL 634 – Information and Communication Theory	Core	12
IL 635	IL 635 – Information Sources and Reference Services	Core	12
IL 636	IL 636 – Information Technology and its Applications	Core	12
IL 637	IL 637 – Organisation of Knowledge	Core	12
Students should select at least 1 of the following courses			
IL 619	Information User Studies	Elective	12
IL 645	Legal Information Services	Elective	12
IL 644	Information in Science and Technology	Elective	12
GE 633	Geographical Information Systems (Check with Geography Dept on when the course is offered)	Elective	12
Minimum Credits Required			**60**

Second Semester (First year)

Course Code	Course Course	Status	Credits
IL 603	Research Methods	Core	12
IL 623	Records Management and Archives Administration	Core	12
IL 638	Organisation of Knowledge	Core	12
IL 647	Management for Information Professionals	Core	12
IL 648	Collection Development and Management	Core	12
Students should select at least 1 of the following courses			
IL 620	Analysis, Design and Evaluation of Information Systems	Elective	12
IL 632	Digital Libraries	Elective	12
IL 644	Information in Science and Technology	Elective	12
IL 643	Knowledge Management	Elective	12
GE 633	Geographical Information Systems		12
Minimum Credits Required			**72**

Year 2

Course Code	Course Title	Status	Credits
IL 699	Dissertation	Core	60

MASTER OF ARTS IN RECORDS AND ARCHIVES MANAGEMENT (MARAM)
Courses

Semester 1			Semester 2		
Core Courses			*Core course*		
Course Code	Course Title	Credits	Course Code	Courses Title	Credits
RA 600	Theory and Practice of Records Management	12	RA 603	Electronic Records Management	12
RA 601	Principles and Practice of Archives Administration	12	RA 604	Managing Archives	12
RA 602	ICTs Applications in Records and Archives	12	RA 605	Disaster Management for Records and Archives	12
IL 647	Management for Information Professionals	12	IL 603	Research Methods	12
Elective Courses (Select one)			*Elective Courses (Select one)*		
RA 630	Strategic Management for	12	RA 632	Public and Private	12

	Records and Archives Services			Records Management	
RA 631	Application of Web Technologies in Records and Archives Management	12	IL 620	Analysis, Design and Evaluation of Information Systems	12
IL 634	Information and Communication Theories	12	IL 643	Knowledge Management in Records and Archives Management	12
Semester 3					
RA 699	Dissertation				60

POPULATION STUDIES AND RESEARCH CENTRE

MASTER OF ARTS IN DEMOGRAPHY (MA DEMOGRAPHY)

1. Introduction

The MA in Demography by coursework started in the 1985/86 academic year. Prior to that, the University had been offering the course by thesis. Since the inception of the programme in 1985, about 100 students have graduated. Most of these graduates have been absorbed in sectoral ministries dealing with population issues and others are working with NGOs. The course is run by the Population Studies and Research Centre which is under the College of Social Sciences. The United Nations Population Fund (UNFPA) provided substantial financial assistance to start and run the programme since 1985, with the United Nations Department of Economic and Social Development (UN-DESD) as the Executing Agency. However, with effect from November 1995, the Government of the United Republic of Tanzania became the Executing Agency, and the Ministry of Higher Education, Science and Technology as well as the University of Dar es Salaam being the Implementing Agencies. The Rockefeller Foundation also significantly supplemented the UNFPA efforts.

2. Objectives of the Programme

i. Producing competent and skilled experts and professionals who are able to integrate population variables into development plans.
ii. Relating population, environment and development nexus.
iii. Analysing the implications of population dynamics on socio-economic development and the environment.
iv. Advancing new frontiers of population knowledge and enabling Tanzanians to cope with new dimensions of population increase in the globalised world.

The full-time MA Demography programme is offered during normal working hours and students registered in the programme are expected to be residing within Dar es Salaam for effective utilisation of facilities. These include the mini-library at the Population Studies and Research Center, internet connected computers, reading facilities and so on.

3. Target Group

The target group for the programme is young graduates and professionals who aspire to build their capacity and career in demography

4. Structure of the Programme

The programme has three semesters, two semesters for teaching and one semester for dissertation research project. The first two semesters consist of 30 weeks of teaching and seminar activities. In each semester, students are required to complete five courses, equaling to 60 credits of coursework. Each course (12 credits) consists of 45 contact hours. To complete the programme, a student is required to take and pass 60 credits and write a dissertation under supervision of an academic staff for a total of 60 credits.

5. List of Courses
Course Mapping for the Full-time MA (Demography) Programme:

Semester I
Core Course

Course Code	Course Title	Credits
DE 620	Introduction to Population Studies	12
DE 621	Direct Demographic Techniques	12
DE 623	Determinants of Fertility	12
DE 625	Statistical Methods**	12

Elective Courses

Course Code	Course Title	Credits
DE 628	Population, Resources and Environment	12
DE 630	Population and Socio-economic Development	12
DE 632	Theory and Policy Issues in Population and Development	12

Semester II
Core Courses

Course Code	Course Title	Credits
DE 622	Indirect Demographic Techniques	12
DE 624	Determinants of Mortality	12
DE 626	Research Methods in Population	12
DE 627	Introduction to IT, Data Management and Computting Methods	12

Elective Courses

Course Code	Course Title	Credits
DE 629	Migration and Urbanisation	12
DE 631	Social and Gender Analysis of Population	12
DE 633	Population Programmes and Socio-economic Development	12

Semester III

Course Code	Course Title	Credits
DE 699	Dissertation	60

** Students with the first degree in Statistics will be exempted from this course. They will instead choose an extra course from the elective courses.

6. Duration
The programme commences in October each year and lasts for 18 months (nine months of coursework with a three-month long vacation between the first and second years of study and six months of dissertation writing).

7. Admission Requirements
The minimum qualification to the programme is a bachelor's degree with a score of a lower second class (GPA 2.7) in any field that related to population, resources and development for example Geography, Statistics, Sociology and Anthropology, Environmental Studies, Economics, Rural and

Urban Planning, Surveying, Natural Resource Management, Disaster Management, Transportation and Transport Planning. For non-degree applicants to be considered for admission, they should possess a postgraduate diploma in similar disciplines from recognise institutions.

8. Fee Structure

The fee structure for the full-time MA in Demography may change from time to time. For more information on the fee structure for the next academic year, one may contact the Principal (College of Social Sciences).

9. Programme Evaluation and Examinations

Each subject is evaluated by:

i.   continuous assessment of coursework that carries 50% of the final marks;
ii.   examination at the end of each semester, for 50% of the final marks;
iii.   the pass mark of each examination course is a B (50%).

10. Other Regulations

i.   A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.
ii.   A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).
iii.   The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.
iv.   Candidates who fail supplementary examinations (i.e. scoring less than a "B") shall be allowed to carry over the course(s) provided that a course can only be carried over once.
v.   A candidate who fails a carried over course shall be discontinued.
vi.   Candidates who fail the coursework shall not be allowed to proceed for research work leading to the writing of a dissertation.

11. Degree Award

The MA (Demography) degree shall not be awarded until both the coursework and the dissertation have been satisfactorily and successfully completed and graded.

CoSS STAFF LIST
Office of the Principal
Associate Professor and Principal
C. N. Pallangyo, BA, MA (Dar), PhD (Cape Town)

Senior Lecturer and Coordinator, Postgraduate Studies
E. Kamanyi, BA, MA, PhD (Dar)

Senior Lecturer and Assistant Coordinator, Postgraduate Studies
Z. K. Zahor, BA, MA, PhD (Dar)

Lecturer and Coordinator, Research and Knowledge Exchange
S. E. Kibona, BA, MA, PhD (Dar)

Lecturer and Coordinator Undergraduate Studies
C. Mromba, BA (Dar), MSc (Nairobi), PhD (Dar)

Assistant Lecturer and Coordinator, Practical Training
B. Gosbert, BSc (Mzumbe), MSc (Dar)

Lecturer, Coordinator and Focal Point - Gender
P. Silvano, BA (Dar), Msc (Trondheim), PhD (Dar)

Lecturer, Assistant Coordinator Gender
C. Kimaryo, BAEd, MA, PhD (Dar)

Lecturer and Coordinator College Counselling Committee
I. B. A. Mbatta BA, MA (Rome), PhD (Dar)

Senior Lecturer and Coordinator, Innovation and Entrepreneurship
D. Mukono, BA, MA, PhD (Dar)

Lecturer and Coordinator, Internationalisation
M. J. Shangwe, BA, MA (Dar), PhD (East China Normal University)

Senior Lecturer and Coordinator Consultancy Services
T. J. Ndaluka, BA, MA (Dar); MPH (Umeå), PhD (Nijmegen)

Lecturer and Examinations and Time Table Officer
C. Mromba, BA (Dar), MSc (Nairobi), PhD (Dar)

Lecturer and Quality Assurance Officer
D. Loiboo, BA, MA, PhD (Dar)

Lecturer and Chief Editor - CoSS Bulletin
A. Matogwa, BA, MA, PhD (Dar)

Assistant Lecturer and College Disability Focal Person
*S. P. Njenje, BA, MA (Dar)

Assistant Lecturer and Voice of Social Sciences Desk Officer
R. K. Madaha, BA, MSc (Dar)

Senior Administrative Officer
M. A. Luziga, BA (Dar)

Human Resources Officer
G. S. Pango, BA (TIA)

Accountant
S. K. Ali CPA (T), BA Accounting (IFM)

Senior Assistant Suppliers Officer
F. C. Makala Dip in Procurement (PSPTB), BA Business Administration (OUT)

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H. A. Ngonyani Dipl. in Secr Services, (TPSC)
T. A. Hajokwa Dipl. in Secr Services, (TPSC)
Y. Mtagwa Dipl. in Secr Services, MDEA I&II (TPSC)
R. T. Abdulazak Cert. in Secr services (TPSC)
M. M. Kileo Dipl. in Secr Services (TPSC)
C.G. Kawiche Cert & Dipl. in Secr Services, MDEA I&II (TPSC)

Records Management Assitant
M. J. Karega Dipl. in Records Management (TPSC)

Office Attendants
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L. R. Ungani, CSE (Dar)
M. M. Mroso, Dip (SLADS)

Department of Geography
Senior Lecturer and Head of Department
N. E. Yamungu, BSc, MA (Dar), PhD (Stellenbosch)

Associate Professors
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H. Hambati, BA, MA, PhD (Dar)
O. Kweka, BA, MA (Dar), PhD (Minnesota)

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G. Lema, BA, MA, PhD (Dar)
J. Sawe, BA, MA, PhD (Dar)
N. E. Yamungu, BSc, MA (Dar), PhD (Stellenbosch)
Z. K. Zahor, BA, MA, PhD (Dar)
Z. A. Kengera, BA (Dar), MA (Norway), PhD (Dar)

Lecturers
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D. Mlengule, BA, MA, PhD (Dar)
J. Manahiri, BA, MA, PhD (Dar)
J. Andrea, BA, MA, PhD (Dar)
C. Mromba, BA (Dar), MSc (Nairobi), PhD (Dar)
S. Ibrahim, BA, MA (Dar), PhD (Newcastle)
L. Joseph, BA (Dar), MA (Addis Ababa), PhD (Belgium)
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P. Silvano, BA (Dar), Msc (Trondheim), PhD (Dar)
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S. F. Kibonde BA, MA (Dar), PhD (SUA)
G. Gosbert, BA, Msc (Dar)

Assistant Lecturers
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*E. Benedict, BA, MA (Dar)
*D. Mwalutolo, BA, MA (Dar)
*D. Anderson, BA, MSc (Dar)
 *E. Kamogo, BA, MA (Dar)
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R. K. Madaha, BA, MSc (Dar)
A. B. Mng'ong'o, BA (Dar)

Tutorial Assistants
H. A. Hassan, BA (Dar)
A. J. Alfonce BA (Dar)

Cartographer
S. G. Kileo BA (Dar) Dipl (Tabora), BA (Dar)

Department of Political Science and Public Administration
Senior Lecturer and Head
L. Ramadhani, BA, MA (Dar), PhD
(Dublin)

Professor Emeritus
R. S. Mukandala, BA, MA (Dar), Cert. in New Institutional Economics, PhD (Berkeley)

Professor
A. B. Makulilo, BA (Dar), LLB (OUT), MA (Dar), PhD (Leipzig)

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M. A. Bakari, BA, MA (Dar), PhD(Hamburg)

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M. Kabyemela, BA, MA, PhD (Dar)

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R.B. Mbunda, BA, MA, PhD (Dar)
K. Munisi, BA, MA (Dar), PhD(Konstanz)
R. S. Damian, BA, MA, PhD(Dar)
***B. Ally, BA, MA, PhD(Dar)

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*L. Singo, BA, MA (Dar)
*A. Munuo, BA, MA (Dar)
 *J. L. Mdede BA, MA (Dar)
I. N. Omary, BA (Dar), MSc (Växjö)

Tutorial Assistants
*S. Nkalanga, BA. (Dar)
G. D. Janga, BA (Dar)
 *I. R. Kavula BA (Dodoma)
 *A. Z. Kabakama BA (Dodoma)
 *B. M. Kamara BA (Dar)
*O. K. Pesha BA (Dar)
*I. B. Lilumba BA (Dar)

Department of Sociology and Anthropology
Senior Lecturer and Head
R. F. Sambaiga, BA, MA (Dar), PhD (Basel)

Sociology Unit
Associate Professor
H. Sigalla, BA, MA, PhD (Linz)

Senior Lecturers
D. Rweyemamu, BA, MA, PhD (Dar)
M. Senga, BA, MA (Dar), PhD (Dublin)
G. Kamugisha, BA, MA, PhD (Dar)
D. Mukono, BA, MA, PhD (Dar)
L. Mugisha, BA, MA, PhD (Dar)
A. Matogwa, BA, MA, PhD (Dar)
E. Kamanyi, BA, MA, PhD (Dar)

Lecturer
Z. I. Ibrahim, BA, MA (Dar)

Assistant Lecturers
*L. A. Mohamed BA, MA (Dar)
 N. A. Kitunda BA, MA (Dar)
G. S. Mwakasole BA (Dar)

Tutorial Assistants
M. M. Mantawela BA (Dar)
V. P. Ndaki, BA (Dar)

Social Work Unit
Lecturer and Coordinator
E. Moses, BA, MA, PhD (Dar)

Senior Lecturer
T. J. Ndaluka, BA, MA (Dar), MPH (Umeå), PhD (Nijmegen)
M. Trichal, BA, MA (Utta Pradesh), PhD (Varanasi)

Lecturers
E. Moses, BA, MA, PhD (Dar)
F. Herman, BA, MA (Dar), PhD (Minnesota) USA

Tutorial Assistants
I. C. Mkojera, BA (Dar)
J. G. Mahuma, BA (Dar)
J. H. Challya, BA (Dar)
S. L. Masale, BA (Dar)

Anthropology Unit
Senior Lecturer and Coordinator
M. Dauda, BA (Dar), MSc (Lund), PhD (Kent)

Senior Lecturers
N. Mhando, BA, MA (Dar), PhD (London)
R. F. Sambaiga, BA, MA (Dar), PhD (Basel)
M. Dauda, BA (Dar), MSc (Lund), PhD (Kent)
S. Mutebi, BA, MA (Dar), PhD (Berlin)
***J. Mgumia, BA (Albion), MA (Dar), PhD (Witwartersrand)

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A. Tingira, BA, MA (Dar), PhD (Berlin)
S. Kisiaya, BA, MA (Dar), PhD (Roehampton)
Y. Haroun, BA, MA, PhD (Dar)

Assistant Lecturer
*E. Moronda, BA (Dar), MA (Dar)

Tutorial Assistants
P. R. Gabriel, BA (Dar)
T. I. Feruzi, BA (Dar)

Psychology Unit
Senior Lecturer and Coordinator
E. Maphie, BEd, MAASP, PhD (Dar)

Senior Lecturer
E. Maphie, BEd, MAASP, PhD (Dar)

Lecturers
I. B. A. Mbatta BA, MA (Rome), PhD (Dar)
M. A. Shagembe, BA, MA PhD (Dar)
J. J. Kinanda, BA, MA PhD (Dar)

Assistant Lecturers
*S. P. Njenje, BA, MA (Dar)
*V. E. Temu, BA, MA (Dar)
E. Mwambene, BA (Iringa), MAASP (Dar)
M. Masaka, BAEd (OUT), MAASP (Dar)
V. Mallya, BA, MA (Dar)
N. A. Moshi, BA, (Dodoma), MAASP (Dar)
S. Mikonga, BA, MA (Dar)

Tutorial Assistants
*R. R. Matola, BA (Dar)
B. N. Michael, BA (Dar)
J. M. Malole BA (Dar)

Department of Statistics
Lecturer and Acting Head
S. E. Kibona, BA, MA, PhD (Dar)

Senior Lecturer
***A. S. Msengwa, BA, MA, PhD (Dar)

Lecturers
**E. N. Mukyanuzi, BA, MA, PhD (Dar)
S. E. Kibona, BA, MA, PhD (Dar)
D. J. Mosha, BA, MA, PhD (Dar)
D. L. Kitumi, BA, MA, PhD (Dar)
F. T. Faustin, BA, MA, PhD (Dar)
B. T. Assenga, BA, MA, PhD (Dar)
G. J. Saqware, BA, MA (Dar), PhD (Mangalore)
T. H. Shakiru, BA, MA (Dar), PhD (Jianxi)
W. A. Kyatikila, BA, MA, PhD (Dar)
B.W. Bwire, BA, MA, PhD (Dar)
C.K. Nziku, BA (Dar), MSc (Mysore), PhD (ESOGÜ)
**Z.A. Msofe, BA, MA (Dar), PhD (Zhejiang Gongshang)

Assistant Lecturers
*G. B. Masawe, BA, MA (Dar)
*E. M. Magwaja, BA, MA (Dar)
*E. R. Biyengo, BA, MA (Dar)
*J. H. Rashidi, BSc (Dodoma), MA (Dar)
*E. E. Mwanjilinji, BSc (Dar), MSc (Crescent)
*W. F. Tarimo, BA, MA (Dar)
*O. S. Kigahe, BA, MA (Dar)
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 D. R. Rwechungura, BA, MSc (Dar)
 A. Y. Ramadhani BA, Msc (Dar)
 V. J. Solomon, BA, MSc (Dar)

Tutorial Assistants
 P. W. Shuka, BA (Dar)
 I.O. Sadiki, BA (Dar)

Population Studies and Research Centre
Coordinator
H. Hambati, BA, MA, PhD (Dar)

Information Studies Unit
Lecturer/Librarian and Coordinator
I. Luambano, BASO, MA (Dar), PhD (Dar)

Associate Professors
K. Mwantimwa, BAEd, MA (Dar), PhD (Antwerp)
E. Elia, BSc (Morogoro), MA (Dar), PhD (Natal)
**F. Ndumbaro, BA, MA (Dar), PhD (Natal)

Senior Lecturers/Librarians
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M. K. Ally, BAEd, MA, PhD (Dar)
P. Muneja, BA, MA, PhD (Dar)
E. Ndenje-Sichalwe, BAEd, MA (Dar), PhD (Natal)
E. Mkhai, BAGES, MA, PhD (Dar)

Lecturers/Librarians
I. Luambano, BASO, MA, PhD (Dar)
H. Mungwabi, BA (Dar), MSc (Addis Ababa), PhD (Dar)
C. Kimaryo, BAED, MA, PhD (Dar)

Assistant Lecturers/Librarians
N. B. Mwinuka, BALIS, MA (Dar)
E. C. Kabalo, BLIS (Kampala), MA (Dar)
I. A. Ndimbo, BALIS, MA (Dar)
K. Kyando, BSc (Morogoro), MA (Dar)
*E. Mwabungulu, BLIS (Mzuzu), MA (Dar)
*J. Ngogo, BAEd, MA (Dar)
*D. Mbilinyi, BAGES, MA (Dar)
*A. Fidelis, BAGES, MA (Dar)
*E. Josephat, BAGES, MA (Dar)

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*On Study Leave
**On Sabbatical Leave
***On Leave of Absence/Secondment

INTRODUCTION

As one of Africa's leading business schools, the University of Dar es Salaam Business School (UDBS) offers postgraduate programmes designed to meet the growing demand for advanced education in specialised business and management fields such as finance, accounting, marketing, production, human resource management, tourism and hospitality, logistics, and management science. Our graduates pursue careers in industry, government, and academia, while others successfully venture into self-employment. UDBS is strongly committed to excellence, efficiency, and sustainability, guided by its core values of Customer-orientedness, Excellence, Social Responsiveness, and Integrity (CESI). These principles are embedded in all our teaching and research activities. Notably, our MBA was the first to be introduced in Tanzania, setting the benchmark for business education in the country. Our lecturers maintain strong links with business and industry and are actively engaged in research at the forefront of their disciplines. This ensures that our course content remains relevant, practical, and innovative.

Since the relocation of government operations from Dar es Salaam to Dodoma. Many public offices and private firms have established operations in Dodoma, creating fresh opportunities for higher learning institutions to serve the increasing demand for business education. In response, the University of Dar es Salaam Business School offers postgraduate programmes at the University of Dar es Salaam Mineral Resources Institute (UDSM-MRI), located approximately eight kilometers from Dodoma City Centre. These programmes are uniquely positioned to meet the educational needs of both professionals and business owners in the rapidly expanding capital.

PROGRAMMES OFFERED

PROGRAMMES	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS.)	Non-Tanzanian (USD)
Master of Business Administration (MBA) ▪ Accounting ▪ Finance ▪ Human Resource Management ▪ Marketing ▪ Operations/Pocurement	Coursework and Dissertation	Full-time	24 months	8,500,000	8,040
Master of Business Administration (MBA) ▪ Accounting ▪ Finance ▪ Human Resource Management ▪ Marketing ▪ Operation/ Procurement	Coursework and Dissertation	Evening (Starts in July)	24months	8,500,000	8,040
Master of Business Administration (MBA) ▪ Accounting ▪ Finance	Coursework and Dissertation	Executive	24months	8,500,000	8,040

PROGRAMMES	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS.)	Non-Tanzanian (USD)
▪ Human Resource Management ▪ Marketing ▪ Operations/Pocurement					
Master of International Trade (MIT)	Coursework and Dissertation	Evening (Starts in March)	21months	6,375,000	6,030
Master in Entrepreneurship and Enterprise Development	Coursework and Dissertation	Executive (Starts in March)	21 months	6,375,000	6,030
Master of Science in International Transport and Logistics	Coursework and Dissertation	Evening (Starts in March)	21months	7,500,000	6,030
Master of International Business (MIB)	Coursework and Dissertation	Evening (Starts in March)	21 months	6,375,000	6,030
Master of International Business (MIB)	Coursework and Dissertation	Executive (Starts in March)	21months	6,375,000	6,030
Master of Finance and Accounting in Oil and Gas	Coursework and Dissertation	Executive	18 months	8,500,000	6,030
Master of Tourism and Hospitality Management (MTHM)	Coursework and Dissertation	Full-Time	18 Months	6,375,000	6,030
Master of Sustainable Management and Operations (MSMO)	Coursework and Dissertation	Full-Time	24months	8,500,000	8,040
Master of Business Research (MBR)	Coursework and Dissertation	Full-Time	24months	8,500,000	8,040
Doctor of Philosophy (PhD) in Business Administration	Thesis	Full-time Part-time	36 months 60 months	4,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Operations Research	Coursework and Dissertation.	Full-time (Starts in October)	48 months	4,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Management	Coursework and Dissertation.	Full-time (Starts in October)	48 months	4,000,000 per year	4,020 per year

MASTER'S PROGRAMME OFFERED

MASTER OF BUSINESS ADMINISTRATION (MBA) (Full-time Programme)

1. Introduction

The full-time MBA programme, which is the School wide programme, is offered during normal working hours and students registered in the programme are expected to be residing within Dar es Salaam for effective utilisation of facilities. These include the mini-library at the School, internet connected computers in the labs, reading facilities and so on. The School has recently expanded its physical facilities which will see an increased number of students study rooms, break-up rooms, expanded library and computer labs.

2. Objectives of the Programme

The programme seeks to equip participants with skills, techniques and understanding required for successful managerial careers in the public and private sectors of the economy.

3. Entry Requirements

i. Holders of a first or second-class honours degree of the University of Dar es Salaam or its equivalent from another approved university or higher learning institution.
ii. Holders of a pass degree who have at least five years of working experience after graduation, plus a post-graduation training of at least six months.
iii. Holders of an advanced diploma from a recognised higher learning institution with a minimum of upper second class, plus a postgraduate diploma.
iv. Holders of recognised professional qualifications (CPA, ACCA, CMA, CPA, CSP, CPSP, CIM, etc).

4. Programme Structure

Overall, the programme has four semesters, three semesters of teaching and one semester of dissertation research project. The first three semesters consist of 15 weeks of teaching and seminar activities. In each semester, students are required to complete five courses equaling 60 credits of coursework. Each course (12 credits) consists of 45 contact hours.

In the first two semesters of study, students take 10 core courses in business administration. In the third semester, students are required to take one more core course plus four elective courses specialising in a particular functional area of management: Accounting, Finance, Human Resource Management, Marketing, and Production Management. Students may also choose a combination of courses that may have career development relevance to them.

5. List of Courses

Course Code	Course Title	Status	Credits
Year 1: Semester I			
AC 601	Financial Accounting for Managers	Core	12
GM 601	Business Law and Ethics	Core	12
IM 600	Quantitative Methods for Business Decisions	Core	12
IM 601	Management Information Systems	Core	12
IM 602	Managerial Economics	Core	12
Year 1: Semester II			
FN 601	Financial Management	Core	12
GM 604	Business Research Methods	Core	12
HR 600	Human Resource Management	Core	12
MK 600	Advanced Marketing Management	Core	12
MK 614	Entrepreneurship and Business Planning	Core	12

Year 2: Semester I			
GM 602	Strategic Management	Core	12
	Option 1	Elective	12
	Option 2	Elective	12
	Option 3	Elective	12
	Option 4	Elective	12
Year 2: Semester II			
GM 699	Dissertation	Core	90
	Total		270

Year 2: Semester I - *Specialisations*

Course Code	Course Title	Status	Credits
Accounting Electives			
AC 603	Management Accounting for Decision Making	Elective	12
AC 604	Advanced Auditing and Investigation	Elective	12
AC 605	Advanced Taxation	Elective	12
AC 606	Advanced Financial Reporting	Elective	12
AC 607	Public Sector Accounting	Elective	12
AC 608	Advanced Accounting Information Systems	Elective	12
AC 609	Advanced Corporate Governance and Social Responsibility	Elective	12
AC 610	Accounting for Environment and Natural Resources	Elective	12
AC 611	Advanced Financial Statement Analysis	Elective	12
AC 621	Advanced Forensic Accounting and Fraud Investigation	Elective	12
Finance Electives			
FN 602	Financial Institutions and Markets	Elective	12
FN 603	Public Sector Financial Management	Elective	12
FN 604	Monetary Theory and Policies	Elective	12
FN 605	International Business Finance	Elective	12
FN 606	Advanced Corporate Finance	Elective	12
FN 607	Financial Planning and Analysis	Elective	12
FN 609	Personal and Social Security Finance	Elective	12
FN 610	Micro Finance	Elective	12
FN 614	Investment Analysis and Portfolio Management	Elective	12
FN 615	Bank Management	Elective	12
Human Resources Electives			
GM 603	Organisation Development	Elective	12
HR 602	Labour Law	Elective	12

Course Code	Course Title	Status	Credits
HR 603	Human Resources Planning and Recruitment	Elective	12
HR 606	Industrial Relations	Elective	12
HR 609	Human Resource Training and Development	Elective	12
HR 610	International Human Resources Management	Elective	12
HR 612	Strategic Human Resources Management	Elective	12
HR 613	Performance and Rewards Management	Elective	12
HR 614	Organisation Behaviour	Elective	12

Course Code	Course Title	Status	Credits
Operations/Procurement Electives			
IM 603	Operations Research	Elective	12
IM 604	Procurement Management	Elective	12
IM 605	Advanced Management Information Systems	Elective	12
IM 623	Total Quality Management	Elective	12
IM 624	Supply Chain Management	Elective	12
IM 626	Project Planning and Management	Elective	12
IM 630	Inventory Management	Elective	12
IM 642	International Procurement Management	Elective	12
Marketing Electives			
MK 603	Consumer Behaviour	Elective	12
MK 615	Strategic Marketing	Elective	12
MK 606	Marketing Research	Elective	12
MK 607	Marketing Communications	Elective	12
MK 608	International Marketing	Elective	12
MK 610	Marketing of Services	Elective	12
MK 612	Branding and Pricing Strategies	Elective	12
MK 613	Marketing Distribution Systems and Sales Management	Elective	12

6. Programme Evaluation and Examinations
Each subject is evaluated by:
i.   Continuous assessment of coursework that carries 50% of the final marks;
ii.   Examination at the end of each semester, for 50% of the final marks; and
iii.   The pass mark of each examinable course is a B (50%).

7. Other Regulations
i.   A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.
ii.   A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).
iii.   The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.
iv.   Candidates who fail supplementary examinations (i.e., scoring less than a "B").
v.   Candidates who fail the coursework shall not be allowed to proceed with research work leading to the writing of a dissertation.

MASTER OF BUSINESS ADMINISTRATION (MBA) (Evening Programme)
1. Introduction
The Evening MBA programme is offered after normal working hours between 17.00 and 20.00 hours during the week-days. Each class meets three times a week alternating between the first and the second years. Students, however, are free to access and utilise the School's facilities at any time. This is a School-wide programme.

1. Objectives of the Programme
The Master of Business Administration (MBA) programme seeks to equip participants with skills, techniques and understanding required for successful managerial careers in the public and private sectors of the economy.

2. Entry Requirements

i. Holders of a First or Second-class honours degree of the University of Dar es Salaam or its equivalent from another approved University or higher learning institution.

ii. Holders of a pass degree who have at least five years of working experience after graduation plus a post-graduation training of at least six months.

iii. Holders of advanced diploma from a recognised higher learning institution with a minimum of upper second class plus a postgraduate diploma.

iv. Holders of recognised professional qualifications (CPA, ACCA, CMA, CPA, CSP, CPSP, CIM, etc).

3. Programme Structure

The target group for the programme is working individuals (employed or self- employed) who cannot afford to attend a full-time study programme. The MBA Evening programme is designed to combine work and study. It is run on a trimester basis having 7 trimesters of 15 weeks each. In the 6th and 7th trimesters students are required are set for dissertation (research work).

4. List of Courses

Course Code	Course Title	Status	Credits
Year 1: Trimester I			
IM 600	Quantitative Methods for Business Decisions	Core	12
IM 601	Management Information Systems	Core	12
MK 600	Advanced Marketing Management	Core	12
Year 1: Trimester II			
AC 601	Financial Accounting for Managers	Core	12
HR 600	Human Resource Management	Core	12
IM 602	Managerial Economics	Core	12
Year 1: Trimester III			
GM 604	Business Research Methods	Core	12
GM 601	Business Law and Ethics	Core	12
FN 601	Financial Management	Core	12
Year 2: Trimester I			
MK 614	Entrepreneurship and Business Planning	Core	12
GM 602	Strategic Management	Core	12
	Option 1	Elective	12
Year 2: Trimester II			
	Option 2	Elective	12
	Option 3	Elective	12
	Option 4	Elective	12
Year 2: Trimester III			
GM 699	Dissertation	Core	90
	Total		270

Specialisations

Course Code	Course Title	Status	Credits
	Accounting Electives		
AC 603	Management Accounting for Decision Making	Elective	12
AC 604	Advanced Auditing and Investigation	Elective	12
AC 605	Advanced Taxation	Elective	12
AC 606	Advanced Financial Reporting	Elective	12
AC 607	Public Sector Accounting	Elective	12
AC 608	Advanced Accounting Information Systems	Elective	12
AC 609	Advanced Corporate Governance and Social Responsibility	Elective	12

Course Code	Course Title	Status	Credits
AC 610	Accounting for Environment and Natural Resources	Elective	12
AC 611	Advanced Financial Statement Analysis	Elective	12
AC 621	Advanced Forensic Accounting and Fraud Investigation	Elective	12
	Finance Electives		
FN 602	Financial Institutions and Markets	Elective	12
FN 603	Public Sector Financial Management	Elective	12
FN 604	Monetary Theory and Policies	Elective	12
FN 605	International Business Finance	Elective	12
FN 606	Advanced Corporate Finance	Elective	12
FN 607	Financial Planning and Analysis	Elective	12
FN 609	Personal and Social Security Finance	Elective	12
FN 610	Micro Finance	Elective	12
FN 614	Investment Analysis and Portfolio Management	Elective	12
FN 615	Bank Management	Elective	12
	Human Resources Electives		
GM 603	Organisation Development	Elective	12
HR 602	Labour Law	Elective	12
HR 603	Human Resources Planning and Recruitment	Elective	12
HR 606	Industrial Relations	Elective	12
HR 609	Human Resource Training and Development	Elective	12
HR 610	International Human Resources Management	Elective	12
HR 612	Strategic Human Resources Management	Elective	12
HR 613	Performance and Rewards Management	Elective	12
HR 614	Organisation Behaviour	Elective	12
	Operations/Procurement Electives		
IM 603	Operations Research	Elective	12
IM 604	Procurement Management	Elective	12
IM 605	Advanced Management Information Systems	Elective	12
IM 623	Total Quality Management	Elective	12
IM 624	Supply Chain Management	Elective	12
IM 626	Project Planning and Management	Elective	12
IM 630	Inventory Management	Elective	12
IM 642	International Procurement Management	Elective	12
	Marketing Electives		
MK 603	Consumer Behaviour	Elective	12
MK 615	Strategic Marketing	Elective	12
MK 606	Marketing Research	Elective	12
MK 607	Marketing Communications	Elective	12
MK 608	International Marketing	Elective	12
MK 610	Marketing of Services	Elective	12
MK 612	Branding and Pricing Strategies	Elective	12
MK 613	Marketing Distribution Systems and Sales Management	Elective	12

5. Programme Evaluation and Examinations

Each subject is evaluated by:

i. Continuous assessment of coursework that carries 50% of the final marks;
ii. Examination at the end of each semester, for 50% of the final marks; and
iii. The pass mark of each examinable course is a B (50%).

6. Other Regulations

i. A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.
ii. A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).
iii. The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.
iv. Candidates who fail supplementary examinations (i.e. scoring less than a "B") shall be allowed to carry over the course(s).
v. Candidates who fail the coursework shall not be allowed to proceed for research work leading to the writing of a dissertation.

MASTER OF BUSINESS ADMINISTRATION (MBA) EXECUTIVE PROGRAMME

1. Introduction

This is a flexible MBA programme that is offered on a modular basis. It is a flexible programme that is so designed to suit working executives who wish to combine work while undertaking practical assignments. It is the modular programme offered on a full-time basis when the classes are in sessions. It can accommodate even students who are based out of Dar es Salaam region, including those based in foreign countries. They just have to arrange for their presence during the modules when the classes are in session.

This is a School wide programme

2. Objectives of the Programme

The Master of Business Administration (MBA) programme seeks to equip participants with skills, techniques and understanding required for successful managerial careers in the public and private sectors of the economy.

3. Entry Requirements

i. Holders of a first or second-class honours degree of the University of Dar es Salaam or its equivalent from another approved University or higher learning institution.
ii. Holders of a pass degree who have at least five years of working experience after graduation plus a post graduation training of at least six months.
iii. Holders of advanced diploma from a recognised higher learning institution with a minimum of upper second class plus a postgraduate diploma.
iv. Holders of recognised professional qualifications (CPA, ACCA, CMA, CPA, CSP, CPSP, CIM, etc).

4. Programme Structure

The target group for the programme is working individuals (employed or self- employed) who cannot afford to attend a full-time study programme. The MBA Evening programme is designed to combine work and studies. It is run on a trimester basis having 7 trimesters of 15 weeks each. In the 6th and 7th trimesters, students are required are set for dissertation (research work).

5. List of Courses

Programme Structure and Delivery Mode

Course Code	Course Title	Status	Credits
Year 1: Module 1			
IM 600	Quantitative Methods for Business Decisions	Core	12
IM 601	Management Information Systems	Core	12
MK 600	Advanced Marketing Management	Core	12
Year 1: Module 2			
AC 601	Financial Accounting for Managers	Core	12
HR 600	Human Resource Management	Core	12

IM 602	Managerial Economics	Core	12
Year 1: Module 3			
GM 604	Business Research Methods	Core	12
GM 601	Business Law and Ethics	Core	12
FN 601	Financial Management	Core	12
Year 2: Module 4			
MK 614	Entrepreneurship and Business Planning	Core	12
GM 602	Strategic Management	Core	12
	Elective 1	Elective	12
Year 2: Module 5			
	Elective 2	Elective	12
	Elective 3	Elective	12
	Elective 4	Elective	12
Year 2: Module 6			
BS 699	Dissertation	Core	90
	Total		270

Specialisations

Course Code	Course Title	Status	Credits
Accounting Electives			
AC 603	Management Accounting for Decision Making	Elective	12
AC 604	Advanced Auditing and Investigation	Elective	12
AC 605	Advanced Taxation	Elective	12
AC 606	Advanced Financial Reporting	Elective	12
AC 607	Public Sector Accounting	Elective	12
AC 608	Advanced Accounting Information Systems	Elective	12
AC 609	Advanced Corporate Governance and Social Responsibility	Elective	12
AC 610	Accounting for Environment and Natural Resources	Elective	12
AC 611	Advanced Financial Statement Analysis	Elective	12
AC 621	Advanced Forensic Accounting and Fraud Investigation	Elective	12
Finance Electives			
FN 602	Financial Institutions and Markets	Elective	12
FN 603	Public Sector Financial Management	Elective	12
FN 604	Monetary Theory and Policies	Elective	12
FN 605	International Business Finance	Elective	12
FN 606	Advanced Corporate Finance	Elective	12
FN 607	Financial Planning and Analysis	Elective	12
FN 609	Personal and Social Security Finance	Elective	12
FN 610	Micro Finance	Elective	12
FN 614	Investment Analysis and Portfolio Management	Elective	12
FN 615	Bank Management	Elective	12
Human Resources Electives			
GM 603	Organisation Development	Elective	12
HR 602	Labour Law	Elective	12
HR 603	Human Resources Planning and Recruitment	Elective	12
HR 606	Industrial Relations	Elective	12
HR 609	Human Resource Training and Development	Elective	12
HR 610	International Human Resources Management	Elective	12
HR 612	Strategic Human Resources Management	Elective	12
HR 613	Performance and Rewards Management	Elective	12

HR 614	Organisation Behaviour	Elective	12
Operations/Procurement Electives			
IM 603	Operations Research	Elective	12
IM 604	Procurement Management	Elective	12
IM 605	Advanced Management Information Systems	Elective	12
IM 623	Total Quality Management	Elective	12
IM 624	Supply Chain Management	Elective	12
IM 626	Project Planning and Management	Elective	12
	Accounting Option		
IM 630	Inventory Management	Elective	12
IM 642	International Procurement Management	Elective	12
Marketing Electives			
MK 603	Consumer Behaviour	Elective	12
MK 615	Strategic Marketing	Elective	12
MK 606	Marketing Research	Elective	12
MK 607	Marketing Communications	Elective	12
MK 608	International Marketing	Elective	12
MK 610	Marketing of Services	Elective	12
MK 612	Branding and Pricing Strategies	Elective	12
MK 613	Marketing Distribution Systems and Sales Management	Elective	12

6. Programme Evaluation and Examinations
Each subject is evaluated by:
i.   Continuous assessment of coursework that carries 50% of the final marks;
ii. Examination at the end of each semester, for 50% of the final marks; and
iii. The pass mark of each examinable course is a B (50%).

7. Other Regulations
i.   A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.
ii. A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).
iii. The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.
iv. Candidates who fail supplementary examinations (i.e. scoring less than a "B") shall be allowed to carry over the course(s).
v.   Candidates who fail the coursework shall not be allowed to proceed for research work leading to the writing of a dissertation.

MASTER OF ENTREPRENEURSHIP AND ENTERPRISE DEVELOPMENT
1. Introduction
The current enterprise profile in Tanzania features a small but growing number of private corporate entities, a few large state-owned firm sectors under privatisation, an underdeveloped small and medium size (SME) segment and a very large and growing informal micro sector. The formal economy is currently providing 40,000 new jobs annually for 700,000 new entrants into the job market. There are approximately 1.8 million enterprises – mostly informal.
This programme is housed in the Department of Marketing.

2. Objectives of the Programme
The MEED gives the students a balanced blend of macro and micro courses that are necessary to enable them to appreciate the linkages between macro policy issues related to trade management, micro strategy issues related to and business management, in view of increased international business interactions. In this regard, the MEED is a professional postgraduate degree programme designed to create world-class trade policy and business managers, who can serve the real needs of governments, businesses, and other institutions that pursue a trade and international business agenda. Its general and individual and institutional capacity building objectives are highlighted below.

3. Entry Requirements

i. Holders of a First or Second-class honours degree of the University of Dar es Salaam or its equivalent from another approved University or higher learning institution.
ii. Holders of a pass degree who have at least five years of working experience after graduation plus a postgraduation training of at least six months.
iii. Holders of advanced diploma from a recognised higher learning institution with a minimum of upper second class plus a postgraduate diploma.
iv. Holders of recognised professional qualifications (CPA, ACCA, CMA, CPA, CSP, CPSP, CIM, etc).

4. Programme Structure

The programme has 14 courses of 36 hours each and runs on modular basis, having 5 modules of 3 weeks each and a project. For about two months, in between the modules, students undertake practical assignments.

5. List of Courses

Programme Structure and Delivery Mode

Module 1		Credits
MK 620	Entrepreneurship and Small Business: Context and Process	9
MK 621	Enterprise Development	9
Module 2		
GM 620	Regulatory Framework	9
GM 621	Governance	9
GM 622	Policy Analysis Development and Implementation	9
Module 3		
GM 623	Policy Research Methodology	9
MK 623	Formalisation	9
GM 624	Technology Transfer and Innovation	9
Module 4		
MK 630	Non-Financial Business Development Services (BDS)	9
FN 636	Small Business Finance	9
MK 622	International Trade and E-Commerce	9
Module 5		
GM 632	Change Management	9
MK 624	Communication Skills for Policy Makers	9
MK 627	Monitoring and Evaluation of Reforms	9
Module 6		
MK 699	Dissertation	63
	Total	**189**

6. Programme Evaluation and Examinations

Each subject is evaluated by:

i. Continuous assessment of coursework that carries 50% of the final marks;
ii. Examination at the end of each semester, for 50% of the final marks; and
iii. The pass mark of each examinable course is a B (50%).

7. Other Regulations

i.   A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.

ii. A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).

iii. The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.

iv. Candidates who fail supplementary examinations (i.e. scoring less than a "B") shall be allowed to carry over the course(s).

v.   Candidates who fail the coursework shall not be allowed to proceed for research work leading to the writing of a dissertation.

MASTER OF INTERNATIONAL TRADE (MIT)

1. Introduction

The MIT degree programme gives the students a balanced blend of macro and micro courses that are necessary to enable them to appreciate the linkages between macro policy issues related to trade management and micro strategic issues related to business management in view of increased international business interactions. In this regard, the MIT is a postgraduate degree programme designed to create world-class trade policy and business managers, who can serve the real needs of governments, businesses, and other institutions that pursue a trade and international business agenda.

This programme is housed in the Department of Marketing.

2. Objectives of the Programme

The MIT gives the students a balanced blend of macro and micro courses that are necessary to enable them to appreciate the linkages between macro policy issues related to trade management, micro strategy issues and business management, in view of increased international business interactions. In this regard, the MIT is a professional postgraduate degree programme designed to create world-class trade policy and business managers, who can serve the real needs of governments, businesses, and other institutions that pursue a trade and international business agenda. Its general and individual and institutional capacity building objectives are highlighted below.

The general objective of the MIT is to acquaint the individuals with the frontiers of education, research and practice in international trade policy and practice; thereby enabling them to make substantive and more effective contribution to the international trade agenda, and plan and implement more effective trade policy and international business strategies for their institutions (countries, business enterprises, NGOs, etc.). Invariably, the MIT sets trade policy in a broader framework, thereby blending the business, economic, institutional, and social perspectives. Every individual component of the MIT is designed to serve this universal goal.

3. Entry Requirements

i.   Holders of a first or second-class honours degree of the University of Dar es Salaam or its equivalent from another approved University or higher learning institution.

ii. Holders of a pass degree who have at least five years of working experience after graduation plus a postgraduation training of at least six months.

iii. Holders of advanced diploma from a recognised higher learning institution with a minimum of upper second class plus a postgraduate diploma.

iv. Holders of recognised professional qualifications (CPA, ACCA, CMA, CPA, CSP, CPSP, CIM, etc).

4. Programme Structure

The programme commences in January each year and runs for 18 months (15 months for coursework 3 months for dissertation).

5. List of Courses
Programme Structure and Delivery Mode
Course Mapping for the MIT Programme:

Course Code	Module 1	Credits
MK 640	International Economics	10
IB 632	International Business Environment	10
TL 627	Legal Aspects of International Trade and Investment	10
Module 2		
MK 641	Trade, Economic Growth, Competitiveness and Welfare	10
MK 642	GATT/WTO Agreements and Multilateral Trading System	10
MK 643	Integration Economics and Regional Trading Systems	10
Module 3		
MK 644	Modelling for Trade Policy Analysis	10
MK 645	Trade Theory, Trade Policy and Market Access	10
MK 646	Economics of Commodity Market	10
Module 4		
MK 647	Trade in Services	10
IB 637	Trade and Business Negotiations – Theory, Practice and Management	10
And one of the following		
MK 649	Investments in Emerging Markets	10
MK 650	Strategic International Marketing for the International Trading System	10
TL 632	International Aspects of Intellectual Property Rights	10
MK 651	Trade Paper	10
MK 652	Trade Negotiation Simulation Project	10
MK 699	Dissertation	60
Total		**180**

6. Programme Evaluation and Examinations
Each subject is evaluated by:
i. Continuous assessment of coursework that carries 50% of the final marks;
ii. Examination at the end of each semester, for 50% of the final marks; and
iii. The pass mark of each examinable course is a B (50%).

7. Other Regulations
i. A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.
ii. A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).
iii. The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.
iv. Candidates who fail supplementary examinations (i.e. scoring less than a "B") shall be allowed to carry over the course(s).
v. Candidates who fail the coursework shall not be allowed to proceed for research work leading to the writing of a dissertation.

MASTER OF INTERNATIONAL BUSINESS (MIB)

1. Introduction

The Masters of International Business (MIB) degree programme is designed to provide students with the knowledge and analytical capabilities to allow them to take leadership role in international business. The programme focuses on the essential knowledge, skills, and management techniques required by managers in different sectors to work in international organisations and environments. The MIB degree programme is designed to acquaint students with contemporary knowledge and skills in business disciplines while focusing on the international arena. This programme is housed in the Department of Marketing

2. Objectives of the Programme

The programme is designed to help students develop strategic business skills necessary to compete in the rapidly changing global economy. This includes the ability to identify and evaluate opportunities, benefits and threats of operating in different international markets and develop innovative thinking, team work, research skills and analytical skills, which are essential for effective management of business in international arena.

3. Entry Requirements

i.   Holders of a first or second-class honours degree of the University of Dar es Salaam or its equivalent from another approved University or higher learning institution.

ii.   Holders of a pass degree who have at least five years of working experience after graduation plus a post graduation training of at least six months.

iii. Holders of advanced diploma from a recognised higher learning institution with a minimum of upper second class plus a postgraduate diploma.

iv.   Holders of recognised professional qualifications (CPA, ACCA, CMA, CPA, CSP, CPSP, CIM, etc).

4. Programme Structure

The programme commences in April each year and runs for 18 months (15 months for coursework 3 months for dissertation).

5. List of Courses

Course Code	Module 1	Credits
MK 640	International Economics	10
IB 632	International Business Environment	10
TL 627	Legal Aspects of International Trade and Investment	10
Module 2		
MK 641	Trade, Economic Growth, Competitiveness and Welfare	10
FN 605	International Business Finance	12
IB 627	Research Methods for International Business	10
Module 3		
IB 628	International Management	10
IB 629	Competition Law and Policy	10
IB 630	International Marketing Strategies	10
Module 4		
IB 637	Trade and Business Negotiations – Theory, Practice and Management	10
IB 631	International Logistics and Supply Chain Management	10
And one of the following		
IB 633	International E-business	10
MK 649	Investments in Emerging Markets	10
IB 634	International Entrepreneurship	10
IB 638	International Marketing Research	10
IB 635	Business Paper	10
IB 637	Business Negotiation Simulation Project	10
MK 699	Dissertation	61
Total		**183**

6. Programme Evaluation and Examinations

Each subject is evaluated by:

i.   Continuous assessment of coursework that carries 50% of the final marks;
ii.   Examination at the end of each semester, for 50% of the final marks; and
iii.   The pass mark of each examinable course is a B (50%).

7. Other Regulations

i.   A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.
ii.   A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).
iii.   The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.
iv.   Candidates who fail supplementary examinations (i.e. scoring less than a "B") shall be allowed to carry over the course(s).

MASTER OF SCIENCE IN INTERNATIONAL TRANSPORT AND LOGISTICS (MSC ITL)

1. Introduction

This is a collaborative degree programme developed by the University of Dar es Salaam Business School, Molde University in Norway and the Arab Academy in Alexandria, Egypt. Its main objective is to train high level manpower in the areas of logistics and transport management in East, Central and Southern Africa. This programme is housed in the Department of General Management

2. Objectives of the Programme

The overall objective of this programme is to build capacity of experts in the area of logistics and supply chain management. Specifically, the project intends to:

i.   train high manpower in the areas of logistics and transport management in East, Central, West and Southern Africa;
ii.   provide knowledge on the areas of logistics and transport management through dissemination of research outputs;
iii.   enhance and build the capacity of UDBS and other universities staff through masters and PhD training to develop and deliver the programme in international logistics and Supply chain Management;
iv.   address the rapidly increasing education demands for graduates and professionals with masterly in transportation and logistics management;
v.   provide students with a technically oriented and scientific graduate education in core areas and exposure to cutting-edge research in logistics; and
vi.   produce graduates who can conduct training and advocacy from results obtained after attending the international transportation and logistics programme.

3. Entry Requirements

i.   Holders of a first or second-class honours degree of the University of Dar es Salaam or its equivalent from another approved university or higher learning institution.
ii.   Holders of a pass degree who have at least five years of working experience after graduation plus a post graduation training of at least six months.
iii.   Holders of advanced diploma from a recognised higher learning institution with a minimum of upper second class plus a postgraduate diploma.
iv.   Holders of recognised professional qualifications (CPA, ACCA, CMA, CPA, CSP, CPSP, CIM, etc).

4. Programme Structure

The programme is offered in modular and evening mode.

5. List of Courses

Course Mapping for the Master of Science in International Transport and Logistics Programme:

Module 1: Core Course		
IM 620	Business Logistics Management	12
TR 656	International Transport Management	12
AC 630	Logistics and Transport Accounting	12
IM 621	Applied Statistics	12
IM 622	Logistics Information Systems	12
Module 2: Core Courses		
IM 635	Operations Management	12
FN 622	Investment Analysis	12
IM 604	Procurement Management	12
IM 624	Supply Chain Management	12
GM 604	Business Research Methods	12
Module 3: Three Core Courses		
GM 602	Strategic Management	12
TR 634	International Transport Law	12
TR 654	Seaports and Terminal Management	12
Two elective courses from the following		
IM 628	Distribution Logistics Management	12
IM 638	International Transport Insurance	12
TR 651	Transport Economics	12
TR 655	Logistics of Air Transport	12
Module 4		
BS 699	Dissertation	90
Total		**270**

6. Programme Evaluation and Examinations
Each subject is evaluated by:
i.   Continuous assessment of coursework that carries 50% of the final marks;
ii.   Examination at the end of each semester, for 50% of the final marks; and
iii.   The pass mark of each examinable course is a B (50%).

7. Other Regulations
i.   A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.
ii.   A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).
iii.   The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.
iv.   Candidates who fail supplementary examinations (i.e. scoring less than a "B") shall be allowed to carry over the course(s).

MASTER OF FINANCE AND ACCOUNTING IN OIL AND GAS (MFA OG)
1. Introduction
It is crucial to understand the business environment required to facilitate strengthening of linkages between the oil and gas sector and other economies around the sector for sustainable development. Creation and enhancement of this knowledge is possible in the presence of postgraduate programmes.

This programme is housed in the Department of Finance and Department of Accounting.

2. Objective of the Programme
The overall goal of the MFA - OG is to equip students and managers with critical knowledge and skills on advanced financial and risk management as well as costing and taxation, while taking into consideration the economics of oil and gas markets, oil and gas policies and regulatory framework as well as the national and international business environment.

3. Entry Requirements

i.   A first or second class honours degree in the area of commerce and management (or business administration), economics and actuarial science from recognised higher learning institutions.

ii.   A pass degree (in the area of commerce and management (or business administration), economics and actuarial science from recognised higher learning institutions) and two-year work experience after graduation plus postgraduate training of at least six months.

iii.   An advanced diploma in the area of commerce and management (or business administration), economics and actuarial science from recognised higher learning institutions/ universities plus a postgraduate diploma.

iv.   First degree plus masters or 12 months postgraduate diploma in the area of commerce and management (or business administration), economics and actuarial science from recognised higher learning institutions/ universities, plus at least two-year experience in areas related to the oil and gas industry.

4. Programme Structure

The MFA - OG is an 18-month programme composed of two semesters of coursework and one semester for dissertation. The first semester will have 6 courses (60 credits) that are compulsory for all students. In the second semester, students will take five core courses (50 credits) and one elective course (10 credits). The elective courses will give the students an opportunity to concentrate on either finance or accounting. Students will do research leading to a dissertation to be submitted in partial fulfilment of the requirements for the award of Master of Finance and Accounting in Oil and Gas of the University of Dar es Salaam. The dissertation will have 60 credits. A minimum of ten students will be required to offer an elective course.

5. List of courses

Course Code	Course Title	Credits
Year 1		
Semester I		
AC 600	Financial and Managerial Accounting	10
FN 601	Financial Management	10
GM 604	Business Research Methods	10
GM 630	Fundamentals of Oil and Gas	10
FN 617	The Oil and Gas Businesses	10
AC 612	Oil and Gas Environmental Management and Accounting	10
Semester II		
AC 615	Fiscal Systems for the Oil and Gas Industry	10
FN 616	Financial Econometrics	10
FN 619	Oil and Gas Project Finance	10
FN 621	Enterprise Risk Management for the energy Industry	10
AC 616	Oil and Gas Governance and Auditing	10
And one elective from the following		
	Options Basket	
FN 620	Investment Analysis and Valuation for the Oil & Gas Industry	10
AC 613	Management Accounting for Oil and Gas Industry	10
AC 614	Financial Reporting for Oil and Gas Industry	10
FN 623	Resource revenues and sovereign Wealth Management	10
Year 2		
Semester I		
Course Code	**Course Title**	**Credits**
GM 699	Dissertation	60
	Total	180

6. Programme Evaluation and Examinations

Each subject is evaluated by:

i.   Continuous assessment of coursework that carries 50% of the final marks;

ii.   Examination at the end of each semester, for 50% of the final marks; and

iii.   The pass mark of each examinable course is a B (50%).

7. Other Regulations

i.   A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.

ii.   A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).

iii.   The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.

iv.   Candidates who fail supplementary examinations (i.e. scoring less than a "B") shall be allowed to carry over the course(s).

MASTER OF TOURISM AND HOSPITALITY MANAGEMENT (MTHM)

1. Introduction

Master of Tourism and Hospitality Management (MTHM) programme is to provide graduate level education in Tanzania in tourism and hospitality management. The programme will prepare students to become competent employees at supervisory and managerial levels to be able to handle both international and domestic tourist markets.

2. Objectives of the Programme

The programme develops appropriate supervisory and managerial skills and competencies will enable effective management of tourism and hospitality businesses and ensures high productivity and enterprises' ability to adjust to changes in both international and domestic business environments. Thus, the MTHM is intended to provide graduates with an advanced understanding of the hospitality and tourism industry management on how to run and manage tourism and hospitality organisations.

3. Entry Requirements

i.   Holds a degree related to tourism, hospitality, wildlife, culture/heritage/archaeology, community-based resource management, geography, natural resource management, and business-related studies field from a recognised institution.

ii.   Holds at least a lower second-class degree (GPA of 2.7) or its equivalent from a recognised institution of higher learning. OR

iii.   Candidates with a pass degree may be considered if (a) they have at least two years relevant working experience after graduation, OR (b) They have evidence of business related post-graduation training lasting at least six months. OR

iv.   Holds an advanced diploma from an accredited institution of higher learning, with a minimum of an upper second class, PLUS, a postgraduate diploma and secondary school certificates. OR

v.   Holds recognised professional qualification, such as ACCA, CA, Certified Public Accountant (CPA), CSP, CIB. MCIM; plus at least three years working experience.

vi.   Has passed language related courses at O level and/or A level studies

4. Programme Structure

The programme commences in April each year and runs for 18 months (15 months for coursework 3 months for dissertation).

5. List of Courses

Course Code	Module 1	Credits
TH 600	Advanced Tourism & Travel management	12
TH 601	Advanced Hospitality Management	12
TH 602	Tourism & Hospitality Service Marketing	12

Module 2		
TH 603	Entrepreneurship & Innovation in Tourism and Hospitality	12
HR 616	Human Resource Management for Tourism & Hospitality	12
FN 626	Financial management for Tourism & Hospitality	12
Module 3		
TH 604	Tourism & Hospitality Business Law	12
TH 605	Tourism Policy, Planning and Sustainability	12
IM 606	Tourism Information Systems	12
Module 4		
TH 606	Advanced Research Methods for Tourism and Hospitality	12
Plus three of the following:		
TH 607	MICE Tourism	12
TH 608	Tourism Geography	12
TH 609	Advanced Economics of Tourism	12
TH 610	Tourism Logistics	12
TH 611	Cultural Heritage and Wildlife Tourism Management	12
TH 613	Accounting for Tourism and Hospitality Businesses	12
TH 699	Dissertation	60
Total		**204**

6. Programme Evaluation and Examinations
Each subject is evaluated by:
i.   Continuous assessment of coursework that carries 50% of the final marks;
ii. Examination at the end of each semester, for 50% of the final marks; and
iii. The pass mark of each examinable course is a B (50%).

7. Other Regulations
i.   A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.

ii. A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).

iii. The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.

iv. Candidates who fail supplementary examinations (i.e. scoring less than a "B") shall be allowed to carry over the course(s).

MASTER OF SUSTAINABLE MANAGEMENT AND OPERATIONS (MSMO)
1. Introduction
Master of Sustainable Management and Operations (MSMO) programme is to offers a comprehensive learning experience, bridging theory and practical application equipping graduates to tackle dynamic challenges in management within a globalised business landscape. Guided by ethical principles, it fosters core competencies by empowering participants to address diverse sustainability management and operations issues. Emphasis is on critical thinking, technological proficiency, and ethical leadership thus developing well-rounded professionals contributing positively into transparent financial systems and value creation.

2. Objectives of the Programme
The overall objective of this programme is to develop capacity of experts in the area of sustainable Management and Operations. Graduates acquire a deep understanding of the interconnectedness of ecological, social and economic systems. They learn about the concept of planetary boundaries, the Sustainable Development Goals (SDGs) and the various frameworks for analysing and implementing sustainability. The programme provides students with an in-depth understanding of the principles, practices and frameworks of sustainable management that encompass the environmental, social and

economic dimensions. Graduates develop the ability to identify and analyse complex sustainability challenges, formulate solutions and evaluate their effectiveness. They learn to think critically about conflicting goals and unintended consequences. The programme equips graduates with the knowledge and skills to influence policy decisions and advocate for sustainable development solutions. They learn policy analysis, lobbying and communication strategies. Graduates develop the skills and experience they need to succeed in a variety of sustainability-related careers.

3. Entry Requirements
i.   Holders of a first or second class honors degree or its equivalent from recognised University in areas related to business, social science and natural sciences or
ii.   Candidates with a pass degree in relevant areas may be considered if they have at least five years working experience after graduation, and they have evidence of post graduate training lasting at least six months or
iii. Holders of an upper second advanced diploma from an accredited higher learning institution and a postgraduate diploma or
iv.   Candidates have a recognised professional qualification such as ACCA, CA, CPA, CSP, CPSP, CIB, MCIM, CIMA, CFA.

4. Programme Structure
The programme commences in March each year and runs for 24 months (18 months for coursework six months for dissertation).

5. List of Courses

Course Code	Course Name	Credit
Semester I: Year 1		
Module 1: Core Course (Compulsory)		
IM 644	Fundamentals of Sustainability	12
IM 645	Strategy and Leadership	12
IM 646	Sustainable Supply Chain	12
Module 2: Core Courses (Compulsory)		
IM 647	Sustainable Logistics and Operations	12
IM 648	Technology and Innovation	12
AC 609	Advanced Corporate Governance and Social Responsibility	12
Total		72
Semester II: Year 1		
Module 3: Core Courses (Compulsory)		
IM 649	Communicating Sustainability	12
IM 650	Global Sustainability Trends and Impact	12
GM 604	Business Research Methods	12
Module 4: Courses (Compulsory & Elective)		
IM 667	Sustainability Impact Project	12
Two electives		
IM 651	Sustainable HRM Systems	12
IM 652	Supply Chain Cost Management	12
IM 654	Sustainability Impact Assessment and Evaluation	12
IM 602	Managerial Economics	12
IM 640	Philosophy of Science and Ethics	12
FN637	Sustainable Finance and Risk Management	12
Total		72

	Semester I and II: Year 2	
GM 699	Dissertation	72
	Total	216

6. Programme Evaluation and Examinations

Each subject is evaluated by:

i.   Continuous assessment of coursework that carries 50% of the final marks;
ii. Examination at the end of each semester, for 50% of the final marks; and
iii. The pass mark of each examinable course is a B (50%).

7. Other Regulations

i.   A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.
ii. A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).
iii. The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.
iv. Candidates who fail supplementary examinations (i.e. scoring less than a "B") shall be allowed to carry over the course(s).

MASTER OF BUSINESS RESEARCH (MBR)

1. Introduction

The Master of Business Research (MBR) programme offers a comprehensive learning experience that seamlessly bridges theory and practical application. It is designed to equip graduates with the skills and knowledge necessary to conduct scientific business research in a globalised business landscape. Guided by ethical principles, the programme fosters core competencies and empowers participants to address diverse business requirements effectively and innovatively. By integrating cutting-edge research methodologies, advanced analytical techniques, and real-world case studies, the MBR programme emphasises the development of critical thinking, problem-solving, and leadership skills, preparing graduates to navigate the complexities of modern business.

2. Objectives of the Programme

The overall objective of this programme is to train researchers, consultants, and lobbyists who can serve both the private and public sectors. Graduates will acquire an in-depth understanding of business theory and practice, and be prepared for careers in academia, government, or the private sector, including roles such as research analyst, data scientist, or management consultant. The programme aims to equip students with advanced quantitative and qualitative research methods, enabling them to conduct rigorous research and contribute to business knowledge through publications and conference presentations. Furthermore, it focuses on developing critical thinking and problem-solving skills to analyse complex business problems effectively.

3. Entry Requirements

To be eligible for admission into the Master of Business Research (MBR) programme, an applicant must meet one of the following criteria:

i.   Holders of at least a lower second-class degree with a GPA of 2.7 or its equivalent from a recognised higher learning institution.
ii. Applicants with unclassified degrees must have an average of at least a 'B' grade in the subject of the intended master's programme.
iii. Candidates with Pass degrees will be considered if their undergraduate performance in the proposed subject of study was a 'B' grade or higher, and they have shown potential through subsequent research experience or additional training.

iv. Holders of an advanced diploma from a recognised higher learning institution with a minimum of an upper second-class grade, in addition to a postgraduate diploma and secondary school certificates.

v. Holders of a recognised professional qualification such as ACCA, CA, CPA, CPB, CIMA, CFA, CSP, or CPSP, in addition to secondary school certificate.

Course Code	Course Title	Credit
Semester I: Year 1		
IM 640	Philosophy of Science and Ethics	12
IM 630	Teaching Skills and Teaching	12
IM 641	Scholarly Writings	12
IM 642	Quantitative Empirical Research Methods	12
IM 612	Business Innovation and Sustainable Development	12
IM 643	Qualitative Research Methods	12
Total		72
Semester II: Year 1		
IM 615	Research Seminar	12
IM 635	Operations Management	12
IM 644	Modeling and Simulation	12
IM 660	Data Analytics in practice	12
IM 665	Impact Evaluation Research	12
IM 645	Experimental and Survey Research Methods	12
Total		**72**
Semester I and II: Year 2		
GM 699	Dissertation	72
Total		**216**

8. Programme Evaluation and Examinations
Each subject is evaluated by:
i. Continuous assessment of coursework that carries 50% of the final marks;
ii. Examination at the end of each semester, for 50% of the final marks; and
iii. The pass mark of each examinable course is a B (50%).

9. Other Regulations
i. A candidate with a GPA of less than 2.7 in an academic year shall be deemed to have failed completely and will be discontinued.
ii. A candidate failing in any number of courses in an academic year and who has a GPA of not less than 2.7 shall be deemed to have marginally failed and will be allowed to supplement the failed course(s).
iii. The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained.
iv. Candidates who fail supplementary examinations (i.e. scoring less than a "B") shall be allowed to carry over the course(s).

PhD PROGRAMMES OFFERED BY THE UNIT AT MAIN CUMPUS
DOCTOR OF PHILOSOPHY IN BUSINESS ADMINISTRATION (PhD BA)
1. Introduction
The PhD BA programme prepares graduates for careers in research, teaching, and consulting in various functional areas of business. Graduates are expected to make significant contributions to the advancement of knowledge of business practices through research and consulting, and disseminate such knowledge through their teaching. This is a School wide programme.

2. Objectives of the Programme
The PhD BA programme prepares graduates for careers in research, teaching, and consulting in various functional areas of business. Graduates are expected to make significant contributions to the advancement of knowledge of business practices through research and consulting, and disseminate such knowledge through their teaching.

3. Entry Requirements
To be admitted, an applicant should possess a master's programme in any Business area.
4. Programme Structure
This is a three-year programme.

5. List of Courses
Not applicable in this programme.

6. Programme Evaluation and Examinations
A thesis cannot be submitted less than two years from the date of registration.

DOCTOR OF PHILOSOPHY IN MANAGEMENT (PhD MANAGEMENT)
1. Introduction
The PhD Programme is strongly oriented toward research in a specific discipline in business and management. Emphasis is placed on preparing students to evaluate the state of knowledge in a particular field and to advance it through the application of theories from business and related areas.
This is also a school wide programme.

2. Objectives of the Programme
The programme is designed to provide an exposure and familiarity to different aspects of management and a solid foundation for those who aspire to a career in research and teaching of the disciplines which underlay business administration. The emphasised learning objectives are to:
i.   provide a solid theoretical foundation in management and especially of the area of specialisation of the candidate;
ii.   develop individuals capable of conducting original research in areas of management research relevant to the Tanzanian development;
iii.   develop individuals capable of knowledge creation and application of knowledge to solve relevant management challenges facing local and global companies and institutions; and
iv.   develop the candidate's teaching and facilitating skills.

3. Entry Requirements
A candidate shall hold a master's degree from the University of Dar es Salaam or an equivalent master's degree from a recognised institution of higher learning in any area of management.

4. Programme Structure
This is a four-year programme comprising one year of coursework and three years of dissertation.

5. List of Courses

Year 1: Trimester I		Status	Credits
GM 701	Academic Work and Thesis Writing	Core	20
MK 701	Entrepreneurship and Innovation	Core	20
IM 702	Philosophy of Science and Critical Thinking	Core	20
Year 1: Trimester II			
GM 700	Organisation Theory	Core	20
IM 704	Research Methodology – Quantitative	Core	20
	Elective1	Elective	20

Year 1: Trimester III			
IM 706	Research Methodology – Qualitative	Core	20
	Elective 2	Elective	20
	Elective 3	Elective	20
Year 2 to Year 4			
GM 798	Comprehensive Examination	Core	0
GM 799	Dissertation	Core	360
Marketing Electives (three courses)			
MK 702	Marketing Philosophy, Theory and Models	Elective	20
MK 703	Contemporary Research in Marketing	Elective	20
MK 704	Contemporary Issues in Logistics and Supply Chain Management	Elective	20
MK 705	Sustainable Development	Elective	20
MK 706	Internationalisation of the Firm	Elective	20
Human Resources Management Electives (three courses)			
HR 700	Contemporary Issues in People Management	Elective	20
HR 701	Performance Management	Elective	20
HR 702	Social and Psychological Aspects of Organisational Behaviour	Elective	20
HR 703	Project Management	Elective	20
HR 704	Human Resource Economics	Elective	20
HR 705	Managing in Cross Cultural Environments	Elective	20
HR 706	Organisational Change and Development	Elective	20
HR 707	Industrial Relation & Legal Applications	Elective	20
HR 708	Seminar Series in Human Resource Management	Elective	20
Accounting Electives (three courses)			
AC 700	Financial Accounting Research	Elective	20
AC 701	Management Accounting	Elective	20
AC 702	Auditing and Governance	Elective	20
AC 703	Taxation	Elective	20
AC 704	Research Methods in Accounting	Elective	20
AC 705	Public Sector Accounting	Elective	20
Finance Electives (three courses)			
FN 701	Quantitative Financial Economics	Elective	20
FN 702	Corporate Finance	Elective	20
FN 703	Money and Banking	Elective	20
FN 704	Derivative Markets	Elective	20
FN 705	Public Finance	Elective	20
FN 706	International Finance	Elective	20
FN 707	Behavioural Finance	Elective	20
General Management Electives (three courses)			
GM 703	Strategic Management	Elective	20
FN 701	Quantitative Financial Economics	Elective	20
IM 700	Statistical Management Decision Making Tools	Elective	20
IM 710	Topics in Technology and Operations Management	Elective	20
HR 700	Contemporary Issues in People Management	Elective	20
MK 702	Marketing Philosophy, Theory and Models	Elective	20
IM 711	Management Information Systems	Elective	20

FN 703	Money and Banking	Elective	20
Tourism Management Electives (three courses)			
TH700	Strategic Tourism and Hospitality Management	Elective	20
TH701	Tourism and Hospitality Research Topics and Methods	Elective	20
TH702	Methodology for Quality in Tourism Education	Elective	20
TH 703	Tourism Destination Management	Elective	20
TH 704	Time Series Analysis and Forecasting In Tourism	Elective	20
Agribusiness Electives (three courses)			
MK 705	Sustainable Development	Elective	20
MK 706	Internationalisation of the Firm	Elective	20
MK 707	Gender & Agribusiness Entrepreneurship	Elective	20
MK 708	Contemporary Issues on Agribusiness and Agricultural Value Chain Analysis	Elective	20
MK 709	Rural Entrepreneurship	Elective	20
MK 710	Dissertations in Entrepreneurship- A critical Review	Elective	20
	Total		**540**

6. Programme Evaluation and Examinations
A thesis cannot be submitted less than two years from the date of registration.

DOCTOR OF PHILOSOPHY IN OPERATIONS RESEARCH (PhD OR)
1. Introduction
PhD in Operations Research is a four years programme by coursework of which one and half years is for coursework and two and half years is for the dissertation. It is one of its kind in the Eastern African region which has been established by the University of Dar es Salaam, University of Nairobi and the University of Makerere as a response to the growing needs in both public and private sector for people with analytical skills to support and improve decision making in areas such as business analytics, marketing analysis, logistics planning, decisions analysis, production planning and engineering design.

During the coursework phase, the students will be trained on various aspects, including statistical decision-making tools, deterministic operations research techniques, stochastic operations research techniques, mathematical modelling, research methods and special Operations Research topics in transportation, marketing, management information systems and finance.
This programme is housed in the Department of General Management

2. Objectives of the Programme
The objective of this programme is to provide graduates with the cutting-edge operations research tools and knowledge needed to compete in the market place. The graduates are expected to have a high level of knowledge in analysing various operations research related problems in their work environment, apply appropriate operations research techniques, and conduct training and advocacy activities from their operations research findings.

3. Entry Requirements
The programme is open to people with a variety of backgrounds in management, science, and economics. This includes management, engineering, architecture, natural science, medicine, social sciences and related fields. Prospective students must possess a master's degree from the University of Dar es Salaam, Nairobi University, Makerere University or an equivalent master's degree from other recognised higher learning institutions with bias in Business, Science (including Mathematics), Engineering, Economics or Statistics.

4. Programme Structure
This is a four-year programme comprising one year of coursework and three years of dissertation.

5. List of Courses

Course Code	Course Title	Status	Credits
Module 1			
IM 700	Statistical Management Decision Making Tools	Core	20
IM 701	Deterministic OR Methods	Core	20
IM 702	Philosophy of Science and Critical Thinking	Core	20
Module 2			
IM 703	Stochastic OR Methods	Core	20
IM 704	Research Methodology – Quantitative	Core	20
IM 705	OR Seminar	Core	20

Module 3 (one core and two elective courses)			
IM 706	Research Methodology – Qualitative	Core	20
MK 700	Marketing Management Modelling	Elective	20
IM 707	Special OR Topics in Transportations	Elective	20
IM 708	Special OR Topics in Management Information Systems	Elective	20
IM 709	Special OR Topics in Operations Management	Elective	20
FN 700	Special OR Topics in Finance	Elective	20
Module 4			
IM 798	Comprehensive Examination	Elective	0
	Module 6		
IM 799	Dissertation	Elective	360
	Total		540'

6. Programme Evaluation and Examinations

A thesis cannot be submitted less than two years from the date of registration.

POSTGRADUATE DIPLOMA PROGRAMMES
POSTGRADUATE DIPLOMA IN ENTREPRENEURSHIP AND ENTERPRISE DEVELOPMENT (PGDEED)

1. Introduction

Training, counseling and consultancy products that develop entrepreneurship are a key requirement in the Business Development Services (BDS) industry but the capacity for delivery in many African countries is extremely limited. The target clients are potential and existing practitioners engaged in the management and delivery of business training, consultancy and counseling to SMEs. These include employees in public and private sector organisations as well as individual practitioners in Africa.

2. Objective

The objective of the PGDEED programme is to enhance the capacity of business development services (BDS) practitioners to provide high standards of effective support for enterprise development. BDS practitioners are ideally multi-skilled in the fields of: facilitating learning groups, counseling individuals and consulting on specific problems.

3. Structure and Mode of Delivery

The programme has 12 courses of 36 hours each and runs on modular basis having 4 modules of 3 weeks each and a project. In between the modules, students undertake practical assignments. Specific practitioner knowledge areas are: learning processes and methods, training methods, entrepreneurship behaviour and decision processes, the business counseling process, business problem analysis and basic relevant management skills, such as accounting, finance, marketing, human resources management in the context of small firms.

Given that small business owner-managers do not specialise by function, learners must developintegrated knowledge of business, rather than specialised knowledge of functional areas.In order to develop the targeted competencies, the following courses are offered:

4. List of Courses

Course Code	Module 1	Credits
MK 511	Theories of Entrepreneurship	9
MK 510	The Environment for Business Development in Tanzania	9
FN 510	Project Formulation (with a project)	9
Module 2		
MK 514	Entrepreneurship Education and Training	9
MK 512	Marketing for Small Business	9
MK 515	Design and Management of Entrepreneurship Development Programmes	9
Module 3		
AC 510	Accounting for Small Business	9
FN 511	Financial Management for Small Business	9
MK 513	Consulting Skills (with a project)	9
Module 4		
MK 517	Business Diagnosis and Counseling	9
MK 516	Business Planning (with project)	9
GM 510	Project Management, Monitoring and Evaluation	9
Project	12	12
	Total	**120**

5. Admission Requirements

The applicant must have at least an advanced diploma, a professional qualification such as ACCA, CA, CPA, CSP, CIB, MCIM, CMA, ADB etc or a Bachelor's Degree in any field of study plus at least two years work experience.

6. Duration

The programme runs for 12 months (nine months for coursework and 3 months for the final project).

7. Fees

Fees are subject to review from time to time. Please contact the Programme Manager for a copy of the current fee structure.

UDBS STAFF LIST
Office of the Dean
Associate Professor and Dean
O. K. Mbura, BCom, MBA (Dar), MA (The Hague), Licentiate of Philosophy (Umea), PhD (Dar)

Senior Lecturer and Coordinator, Undergraduate Studies
Y. W. Simwita, BCom, MSc, PhD (Molde)

Lecturer and Associate Coordinator, Undergraduate Studies and BBA Manager
V. G. Wilson, BCom, MBA, PhD (Dar)

Senior Lecturer and Coordinator, Postgraduate Studies
G. Z. Tinali, BCom, MITL (Dar), PhD (Beijing), CPSP (T)

Lecturer and Associate Coordinator, Postgraduate Studies
P. Ambege, BCom, MBA (Dar), PhD, (Beijing) CPA (T

Senior Lecturer and Coordinator, Projects, Research and Publications
M. J. Ilomo, BCom, MIT, PhD (Dar)

Lecturer and Associate Coordinator, Projects, Research and Publications
A. A. Mshana, BCom in Accounting, MFA-OG (Dar), PhD (Dar), CPA (T)

Associate Professor and Coordinator, Management Development & Consultancy Bureau
S. S. Kessy, BA, PGD (The Hague), MBA (Dar), Licentiate of Philosophy (Umea), PhD (Dar)

Lecturer and Associate Coordinator, Management Development & Consultancy Bureau
E. C. Akhweso, BCom in Accounting, MBA PhD (Dar), CPA (T)

Lecturer and Coordinator, Career Counselling and Practical Training
G. B. Magova, BCom, MBA (Dar), CPSP (T), PhD (Dar)

Lecturer and Coordinator, Internationalisation and MoU Management
T. E. Busagara, BCom, MBA, PhD (Dar)

Lecturer and Coordinator, Quality Assurance
H. Thomas, BCom, MBA, PhD (Dar)

Assistant Lecturer and Associate Coordinator, Quality Assurance
Z. G. Mwakila, BA, MA (Dar)

Lecturer and Coordinator, Planning, Investment, and Finance
E. S. Joseph, BCom, MBA, PhD (Dar)

Lecturer and Coordinator, Marketing, Public Relations, and Industrial Linkages
M. A. Semkunde, BA, MIT (Dar), PhD (Dar)

Lecturer and Associate Coordinator, Risk Management and Fraud Awareness.
J. L. Kimario, BCom, MBA (Dar), PhD (Beijing), ACCA(UK)

Lecturer and Coordinator, Silvesands Hotel
E. M. Majaliwa, BCom, MBA, PhD (Dar)

Associate Professor and Coordinator, Centre of Banking & Financial Institutions
E. K. Ishengoma, BCom (Dar), MBA (Twente), PhD (Leipzig)

Associate Professor and Coordinator, Centre of Research in Accounting and Governance
S. I. Mzenzi, BCom, MBA (Dar), PhD (Southampton), CPA (T)

Professor and Coordinator, Engendering Agri Business Entrepreneurship
G. C. Urassa, BCom, MBA (Dar), Licentiate of Philosophy (Umea), PhD (Dar)

Lecturer and Coordinator of Gender
A. A. Baamary, BCom, MBA, PhD (Dar)

Professor and Coordinator, Korean Studies Centre and Centre for Tourism
D. A. Jani, BSc (Morogoro), MBA (Dar), PhD (Busan)

Professor and Coordinator, Centre for Policy Research and Advocacy
G. C. Urassa, BCom, MBA (Dar), Licentiate of Philosophy (Umea), PhD (Dar

Lecturer and Coordinator, Innovation and Entrepreneurship
H. M. Fintan, BBM (Bangalore), MIT (Dar), PhD (Dar)

Associate Professor and Coordinator, African Centre of Excellence for Sustainable Operations in Resource Management and Food Supply
E. T. Tumsifu, BSc, (Moogoro), MIS (Dar), Licentiate of Philosophy (Umea), PhD (Dar)

Senior Lecturer and Coordinator for Logistics and Supply Chain Management
R. P. Kanani, BCom (Dar) MSc, PhD (Molde), Dip. (Lincolnshire)

Senior Lecturer and Coordinator for UDSM DODOMA-MRI Campus
P. C. Singogo, BCom (Dar), MSc (Molde), PhD (Beijing), CPSP (T)

Associate Professor and Coordinator for UDSM Kagera Campus
J. R. M. Philemon, BCom (Dar), MBA (Kampala), Licentiate of Philosophy (Umea), PhD (Dar)

Department of Accounting
Lecturer and Head
P. Mbwile, BCom, MBA (Dar), PhD, (Beijing)

Associate Professors
S. I. Mzenzi, BCom, MBA (Dar), PhD (Southampton), CPA (T)

Senior Lecturers
M. I. Nchimbi, BCom (Dar), MA (Dublin City), PhD (Dar)
L. Mbelwa, BCom, MBA (Dar), Licentiate of Philosophy (Umea), PhD (Dar)
C. Masanja, BCom, MIT, PhD (Dar), (CPA) (T)
S. J. Suluo, BCom, MBA, PhD (Dar), (CPA) (T)

Lecturers
H. Thomas, BCom, MBA, PhD (Dar)
P. Ambege, BCom, MBA (Dar), PhD, (Beijing) CPA (T),
P. Mbwile, BCom, MBA (Dar), PhD, (Beijing)
M. Wilson, BCom, MBA, PhD (Dar), CPA (T)
O. Zuberi, BCom, MBA (Dar), PhD (Beijing), ACCA (UK)
E. Christopher, BCom in Accounting, MBA (Dar), PhD (Dar), CPA (T)
A. A. Mshana, BCom in Accounting, MFA-OG (Dar), PhD (Dar), CPA (T)

Assistant Lecturers
*A.S. Mbuttuka, BCom, MBA, (Dar), (CPA) (T)
*M. Mlundachuma, BCom, MBA (Dar), CPA (T)

*J. Moses, BCom in Accounting, MFA-OG (Dar), CPA (T)
*J. A. Sanga, MFA-OG, Bcom Acc (Hons), CPA (T)
*L. C. Chambulila, Bcom, MBA (Dar), CPA (T)
*V. Bahati, BCom, MBA (Dar), CPA (T)

Tutorial Assistant
*A. M. William, BCom Acc (Dar), CPA (T)
R. Tandika, BCom Acc (Dodoma)
J. Temba, BAF-PS (Morogoro)
P. Punduka, BCom Acc (Dar), CPA (T)

Department of Finance
Senior Lecturer and Head
T. A. Swai, BCom (Dar), PGD (Maastricht), MBA, PhD (Dar)

Associate Professors
E. K. Ishengoma, BCom (Dar), MBA (Twente), PhD (Leipzig)
N. G. Mori, BCom, MBA (Dar), PhD (Agder)

Senior Lecturers
**E. J. Minja, BCom (Dar), MBA (Nairobi), PhD (Stillwaters), CPA (T)
E. M. Richard, BCom (Dar), MBA (Kampala), Licentiate of Philosophy (Umea), PhD (Dar)
T. A. Swai, BCom (Dar), PGD (Maastricht), MBA, PhD (Dar)
M. J. Ilomo, BCom, MIT, PhD (Dar)

Lecturers
N. R. Towo, BCom, (Dar), MA (Dar), PhD (Stellenbosch), CPA (T)
A. A. Baamary, BCom, MBA, PhD (Dar)
J. L. Kimario, BCom, MBA (Dar), PhD (Beijing), ACCA(UK)
T. E. Busagara, BCom, MBA, PhD (Dar)
*A. M. Nthangu, BCom, MIT (Dar), PhD (Manchester)
E. W. Mkwizu, BSc (Pune), MBA, PhD (Dar)
E. S. Joseph, BCom, MBA, PhD (Dar)
M. M. Mwampashi, BSc, (Dar), MSc (Cape Town), MSc. (Pwani), PhD. (Sydney)
G. H. Mkaro, BCom, PGD, MBA (Dar), CPA (T), PhD. (Perak)

Assistant Lecturers
*G. C. Urio, BCom, MA (Dar)
*N. Y. Chamkunde, BCom, MA (Dar)
*G. C. Mboya, BA, MA (Dar)
*W. P. Augustine, BCom, MFA-OG (Dar)
*B. M. Maagi, BBA (Dar), MSc (Essex)
A. B. Sanga, BCom (Dar), MSc (Dundee)

Tutorial Assistants
*S. C. Makombe, BSc (Dar)
*W. M. Uzia, Bsc (Dar)
F. L. Mliga, BCom (Dar)
P. O. Chombocho, BSc (Dar)
K. L. Sasi, BBA (Dar)

DEPARTMENT OF GENERAL MANAGEMENT
Senior Lecturer and Head
T. R. Dominic, BSc (Morogoro), MBA (Dar), PhD (Göttingen)
Professor
J. J. Masele, BSc (Morogoro), MIS (Dar), PGD (Maastricht), PhD (Oldenburg)

Associate Professors
U. O. L. Mbamba, BSc (Dar), MBA (Nairobi), Licentiate of Philosophy (Umea), PhD (Dar)
S. S. Kessy, BA, PGD (The Hague), MBA (Dar), Licentiate of Philosophy (Umea), PhD (Dar)
E. T. Tumsifu, BSc, (Morogoro), MIS (Dar), Licentiate of Philosophy (Umea), PhD (Dar)

Senior Lecturers
P. S. Magai, BSc URP, MIT (Dar), PhD (Busan, S/Korea)
R. P. Kanani, BCom (Dar) MSc, PhD (Molde), Dip. (Lincolnshire)
T. R. Dominic, BSc (Morogoro), MBA (Dar), PhD (Göttingen)
G. Z. Tinali, BCom, MITL (Dar), PhD (Beijing), CPSP (T)
J. J. Sanga, BA, MBA, PhD (Dar)
Y. W. Simwita, Bcom (Dar), MSc, PhD (Molde)
P. C. Singogo, BCom (Dar), MSc (Molde), PhD (Beijing), CPSP (T)

Lecturers
G. B. Magova, BCom, MBA (Dar), CPSP (T), PhD (Dar)
M. S. Nkuba, BSc URP, MBA (Dar), PhD (Oldenburg)
V. G. Wilson, BCom, MBA, PhD (Dar)
J. J. Iddy, Bcom (Dar), Msc Logistics (Molde), PhD (Molde)
*T. J. Kabudi, BSc. (Ardhi), B. Sc., MSc (Rhodes), PhD (Agder)
E. M. Majaliwa, Bcom, MBA, PhD (Dar)

Assistant Lecturers
*P. Maro, BCom, MBA (Dar)
*B. M. Sakita, BCom (Dar), MSc (Molde)
*B. Tarimo, BCom, MBA (Dar)
*Z. G. Mwakila, BA, MA (Dar)
*P. Fredson, BBA, Msc. (Morogoro)
*A. Livingstone, BCom, MBA (Dar)
*Y. Habiye, Batch (Dodoma), LL. B (Dar), LL.M (Dar)
*G. F. Manjuu, BSCP (Mwanza), MSc. PSCM(Mzumbe)
P.S. Kamuli, BPSCM(MU), MSc PSCM(MU)
O.L. Mwambafula BA PSM(MoCU), MSc PSCM(MU)
S.V. Fundi, BPSCM(MU), MSc PSCM(MU)
S.F. Maka, B. Arc (Dar), BLIM (Dar), MA (Dar)

Tutorial Assistants
*G. Laswai, BCom (Dar)
A. Mvuyekule, LLB (Law), (MUM)

Department of Marketing
Lecturer and Head
R. E. Suphian, BSc (Dar), MIT (Dar), PhD (Busan)

Professors
D. A. Jani, BSc (Morogoro), MBA (Dar), PhD (Busan)
G. C. Urassa, BCom, MBA (Dar), Licentiate of Philosophy (Umea), PhD (Dar)

Associate Professors
O. K. Mbura, BCom, MBA (Dar), MA (The Hague), Licentiate of Philosophy (Umea), PhD (Dar)
J. R. M. Philemon, BCom (Dar), MBA (Kampala), Licentiate of Philosophy (Umea), PhD (Dar)

Senior Lecturers
D. B. Philemon, BCom, MBA, PhD (Dar)
I. S. Allan, BCom (Dar), MBA (Twente), PhD (Dar)

N. S Maliva, BCom OUT (Dar), MBA (Dar), PhD (Wageningen)
W. Nguni, BCom (Dar), MSc (Molde), PhD (Dar)
F. P. Okangi, BSc, MIT, PhD (Dar)

Lecturers
R. E. Suphian, BSc (Dar), MIT (Dar), PhD (Busan)
P. P. Kanje, BCom, MBA, PhD (Dar)
M. A. Semkunde, BA, MIT (Dar), PhD (Dar)
D. P. Rwehikiza, BCom, MITL (Dar), PhD (Dar)
H. M. Fintan, BBM (Bangalore), MIT (Dar), PhD (Dar)

Assistant Lecturers
*P. S. Maleto, BCom (Dar), MSc (Copenhagen)
P. N. Kahangwa, BSc (Morogoro), MSc (Dar)
*D. N. Shayo, BA (Dar), MBA(Dar)
*P. A. Pastory, BA (Dodoma), MA (Harbin)
*S. Mwakalila, Bcom (Dar), MBA (Zhiejiang)

Tutorial Assistant
J. H. Gamba, BCom (Dar)
C.M. Gawasike, Bcom (Dar)
E.E. Mrindoko, BTM (Morogoro)

Administrative Staff
Senior Administrative Officer
U. N. Magashi, BA(UDSM), MA(OUT)

Office Management Secretaries
L. Y. Chikolia, Dip (TPSC), BA (TIA)
A. H. Chibwana, Dip (TPSC)
J. E. Mbonge, Dip (TPSC)
N. M. Silungwe, Dip (TPSC)
F. E. Mdagata, Dip (TPSC)
B. J. Paschal, Dip (TPSC)

Administrative Officer
D. G. Bikongoro, BA (Dar)

Systems Administrator
D. E. Mallya, BSc (Dar)

Accountants
A. M. Moshi, BCom, (Dar) ,(CPA)
J. E. Magnus, Cert (CPLM), Dip (DPLM), BPSAS (Dar)

Procurement & Supplies Officer
A. E. Urassa, BA(MOCU), CPSP (T)
Z. A. Mzee, Dip (TIA)

Library Assistant
R. C. Cristomus, Dip. (SLADS)
A. L. Mchome, Dip. (TPSC)
Maintenance (Carpentry, Electricity & Water)
F. B. Soko, Cert. (VETA)
I. M. Twallib, Cert. (VETA)

Driver
S. Lilanga, Cert. (VETA)

Clerical Officer
C. A. Mmbaga, Dip. (TPSC)
F.C. Malamsha, Dip (TPSC)

Office Attendants
B. F. Muhundi Cert. (VETA)
D. E. Chale, Cert. (NBAA)

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*   On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

INTRODUCTION

The School of Law is the oldest legal training institute in the Eastern and Southern African region. The School (then Faculty of Law) was established on 25th October 1961, about three months before the independence of the then Tanganyika, to cater for the emerging newly independent States of East Africa; at that time comprising of Kenya, Uganda, Tanganyika and Zanzibar. At its inception, the School was affiliated to the University of London and followed its curriculum. Despite this affiliation, the focus of its curriculum was designed to cater for local situations that were in line with the aspiration of the newly independent States of the region. From inception, therefore, the School's role was principally focused on applied research out of necessity. It had to advise the government in codification of customary law, integration of court systems and matters of constitution making.

For almost three decades after inception, the School offered a three-year Bachelor of Laws (LLB) degree and a Certificate in Law Programme. In October 1999, it started offering a four-year LLB programme. In 2009, the Bachelor of Arts in Law Enforcement (BA Law Enforcement) programme was conceived and implemented. In this regard, the School now offers three undergraduate programmes. At the postgraduate level, the School offers a Specialised Postgraduate Diploma in Law (SPGDL), Master of Laws (LLM), Taught Master of Laws and the Doctor of Philosophy degree.

Regarding administrative arrangement, the School has three Departments which superintend the various courses offered. These are Department of Public Law, Department of Private Law and Department of Economic Law. Each Department superintends the teaching and management of specified courses. Also, the School hosts the Center for the Study of Forced Migration (CFSFM), the Legal Aid Committee (LAC) and the Tanzania German Center for Eastern Africa Legal Studies.

PROGRAMMES OFFERED BY THE SCHOOL

The University of Dar es Salaam School of Law offers postgraduate diplomas, master and PhD programmes in Law as indicated in the table below:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non-Tanzanian (USD)
1.	Doctor of Philosophy (PhD) in Law	Thesis	Full-time	36 months	3,000,000 per year	4,020 per year
2.	Doctor of Philosophy (PhD) in Law	Thesis	Part-time	60 months	3,000,000 per year	4,020 per year
3.	Postgraduate Diploma in Law (PGDL)	Coursework and Report	Full-time	12 months	2,500,000	4,020
4.	Specialised Postgraduate Diploma in Law (SPGDL)	Coursework and Report	Full-time	12 months	2,500,0OO	4,020
5.	Master of Laws (LLM)	Coursework and Dissertation	Full-time	18 months	5,000,000	6,030
6.	Master of Laws (LLM)	Thesis	Full-time	24 months	7,000,000	8,040
7.	Master of Arts in Revenue Law and Administration	Taught	Full-time	18 months	7,000,000	8,040

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non-Tanzanian (USD)
8.	Master of Laws in Corporate and Commercial Law	Taught	Evening	18 months	5,000,000	6,030
9.	Master of Laws in Taxation	Taught	Evening	18 months	5,000,000	6,030
10.	Master of Migration and Refugee Law	Taught	Evening	18 months	5,000,000	6,030
11.	Master of Laws in Procedural Law and International Legal Practice	Taught	Evening	18 months	5,000,000	6,030
12.	Master of Laws in Intellectual Property Law	Taught	Evening	18 months	5,000,000	6,030
13.	Master of Intellectual Property (MIP)					
14.	Master of Laws in Regional Integration and East African Community Law	Taught	Evening	18 months	5,000,000	6,030
15.	Master of Laws in Oil and Gas Law	Taught	Evening	18 months	5,000,000	6,030

POSTGRADUATE DIPLOMA PROGRAMMES

There are two categories of postgraduate diplomas offered, namely the Postgraduate Diploma in Law (PGDL) for holders of the LLB degree, and the Specialised Postgraduate Diploma in Law (SPGDL) for holders of degrees other than Bachelor of Laws (LLB). The duration of the programme shall be two semesters involving full-time attendance. The diploma shall be graded on a pass or fail basis.

POSTGRADUATE DIPLOMA IN LAW (PGDL)

1. Entry Requirements

To be considered for admission to this programme, a candidate must be a holder of the LLB degree of the University of Dar es Salaam or any accredited university, or one has satisfied the requirement of the award of such degree.

2. Course Structure and Examinations

LW 300 (Jurisprudence I) and LW 306 (Jurisprudence II) shall be compulsory to a candidate who did not do that course at the undergraduate level. The candidate shall be required to select two courses from the list of courses for the LLM degree or one course from that list and such number of courses from undergraduate courses whose total credits should not be less than 120. Examinations for PDGL consist of written examination and coursework. The pass grade for the PGDL shall be "B".

A candidate shall be required to write two postgraduate papers for each LLM course selected. If a candidate takes an undergraduate course, regulations relating to undergraduate courses shall apply provided that the pass grade is "B". If a candidate fails in one course, they may, on the recommendation of the School Board, be permitted to re-sit the examination in that course at a supplementary examination. When a candidate fails two or more courses, they shall be discontinued.

For a Postgraduate Diploma in Law candidate to graduate, they must complete minimum of 120 credits obtained from courses selected by the candidate in the LLM list, including Jurisprudence, when applicable.

SPECIALISED POSTGRADUATE DIPLOMA IN LAW (SPGDL)

SPDGL is designed to provide specialised training in specific fields of law to holders of degrees other than the LLB. The Primary objective of the SPGDL is to familiarise a student with the essentials of the law pertinent to one's area of professional work and responsibilities.

1. Entry Requirements

To be considered for admission to this programme, a candidate must be a holder of the first degree (which is different from LLB) of the University of Dar es Salaam or an accredited University, or one has satisfied the requirements for the award of the degree.

2. Course Structure and Examinations

LW 703 (Legal Method), LW 706 (Legal Method II), LW 700 (Constitutional Law I) and LW 704(Constitutional Law II) shall be compulsory to all SPGDL candidates. A candidate shall select a minimum of three (3) elective courses from a list of courses approved by the School Board for the given academic year, provided that SPGDL courses shall bear the "LW 700" series code. Pass grade shall be "B", but candidates shall be required to complete a minimum of 120 credits delivered from compulsory and elective courses in order to qualify for an award of SPGDL. Examinations for SPGDL shall consist of written examinations and coursework.

MASTER'S PROGRAMMES OFFERED BY UDSoL

MASTER OF LAWS (LLM) PROGRAMMES

There are two Master of Laws programmes at the University of Dar es Salaam School of Law: Regular Master of Laws (LLM) by Coursework and Dissertation) and Specialised Taught Master of Laws.

MASTER OF LAWS (LLM) BY COURSEWORK AND DISSERTATION

1. Programme Structure

The Master of Laws (LLM by coursework and dissertation) is a specialised advanced degree course designed to impart advanced knowledge of the chosen courses through intensive research and a firm theoretical grounding. The general regulations and guidelines for postgraduate study programmes issued from time to time by the Directorate of Postgraduate Studies regulate the LLM programme.

The total credits for LLM by coursework and dissertation shall be 180 credits comprising 120 credits from four core courses and four elective courses, as well as 60 credits derived from dissertation after conducting a thorough field/empirical research. The coursework credits must be completed prior to an LLM candidate being permitted to proceed to dissertation part.

2. Entry Requirements

To be considered for admission to this programme, a candidate must be a holder of the LLB degree of the University of Dar es Salaam or any accredited university or has satisfied the requirements for the award of such degree provided that the said LLB degree shall be of a GPA of 3.0 or above.

Every applicant shall, when lodging an application for admission, indicate the category of LLM they intend to pursue and courses (where relevant) to be taken.

3. Duration and Programme Format

The LLM programme traditionally shall be completed within 18 months, 12 months for coursework phase and six months for dissertation writing.

4. Objectives of the Programme

(a) General Objective

The general objective of LLM by coursework and dissertation is to provide trainees with both advanced and specialised knowledge and skills in selected areas of legal studies.

(b) Specific Objectives

The specific objectives of the LLM by coursework and dissertation are to:

i.   provide advanced training specific to selected areas of law;

ii.   provide advanced theoretical foundations with regard to selected areas of study;

iii.   expose students to advanced legal research skills; and

iv.   provide trainees with knowledge on rules, procedures and skills for solving day to day complex legal problems.

5. List of Courses

Public Law Stream

Core Courses

Course Code	Course Title	Credits
LW 677	Advanced Civil Procedure	15
LW 678	Advanced Criminal Procedure	15
LW 679	Advanced Evidence Law	15
LW 616	Graduate Research Seminar	15
LW 699	LLM Dissertation	60

Elective Courses (minimum of 4 courses)

Course Code	Course Title	Credits
LW 606	Arbitration and Alternative Dispute Resolution Law	15
LW 617	Conflict Resolution Law	15
LW 620	Criminology and Penology	15
LW 624	Environmental Law	15
LW 621	Cultural Property and Antiquities Law	15
LW 626	Health Law	15
LW 628	International Human Rights Law	15
LW 633	International Humanitarian Law	15
LW 631	Law of Economic Integration	15
LW 634	Law of International Organisations	15
LW 641	Local Government Law	15
LW 645	Natural Resources Law	15
LW 649	Refugee Law	15
LW 650	Regulatory Law	15
LW 651	Law of the Sea	15
LW 655	Telecommunications Law	15
LW 656	Constitutional Law	15
LW 658	Criminal Procedure and the Protection of Individual Liberty	15
LW 670	Administrative Law	15
LW 671	Public International Law	15
LW 674	International Commercial Arbitration Law	15
LW 683	East African Community Law	15

Economic Law Stream

Core Courses

Course Code	Course Title	Credits
LW 607	Advanced Banking Law	15
LW 613	Advanced Consumer and Commercial Transactions Law	15
LW 615	Advanced Competition Law	15
LW 616	Graduate Research Seminar	15
LW 699	LLM Dissertation	60

Elective Courses (minimum of three courses)

Course Code	Course Title	Credits
LW 604	Agency and Bailment Law	15
LW 605	Air and Space Law	15
LW 608	Business Associations Law	15
LW 610	Capital Markets and Securities Law	15
LW 611	Law of Carriage	15
LW 618	Construction Law	15
LW 619	Conveyancing Law	15
LW 627	Hire Purchase Law	15
LW 629	Insolvency Law	15
LW 630	Advanced Insurance Law	15
LW 632	Intellectual Property Law	15
LW 635	International Trade and Finance Law	15
LW 637	Investment Law	15
LW 639	Labour Law	15
LW 640	Landlord and Tenant Law	15
LW 644	Law of Mortgages	15
LW 646	Law of Negotiable Instruments	15
LW 647	Planning Law	15
LW 652	Social Security Law	15
LW 654	Tax Law	15
LW 657	Law of Contract	15
LW 672	Land Law	15

Private Law Stream
Core Courses

Course Code	Course Title	Credits
LW 659	Legal Method	15
LW 673	Law of Torts	15
LW 675	Jurisprudence	15
LW 616	Graduate Research Seminar	15
LW 699	LLM Dissertation	60

Elective Courses (minimum of 4 courses)

Course Code	Course Title	Credits
LW 609	Canon Law	15
LW 606	Arbitration and Alternative Dispute Resolution Law	15
LW 612	Law of the Child	15
LW 614	Comparative Law	15
LW 622	Customary Law	15
LW 623	Entertainment Law	15
LW 625	Gender and the Law	15
LW 636	Computer Law and the Internet	15
LW 638	Islamic Law	15
LW 642	Maritime Law	15

LW 643	Media Law	15
LW 648	Private International Law (Conflict of Laws)	15
LW 653	Law of Succession	15
LW 676	Family Law	15
LW680	Professional Ethics, Office Management and Accounting of Lawyers	15
LW 681	Advocacy Skills	15
LW 682	Law of Trusts	15

6. Assessment

6.1. For a candidate who opts to proceed by way of class/lecture attendance, each course, save for the LL.M Dissertation, shall be assessed through the Continuous Assessment and the University Examination.

6.3. The Continuous Assessment will be carried out through seminar presentations, individual assignments (take-home assignments) and/or timed tests and shall be allocated 40% of the total marks for the course.

6.3. The University Examination shall be allocated the remaining 60% of the total marks.

6.4. The pass mark for all masters' courses, being a combination of the Continuous Assessment and the University Examination, shall be 50%.

6.5. A candidate who obtains less than 20/40 in their Coursework grade shall be deemed to have failed the Continuous Assessment for that course and shall not be eligible to take the University Examination.

6.6. A candidate who is not eligible for the University Examination under Regulation 6.5 above shall be required to carry over the course, subject to any other applicable Regulations.

6.7. A candidate who fails in the first sitting of University Examination but is eligible to sit for a Supplementary Examination shall NOT re-take the Continuous Assessment during the Supplementary Examination.

For candidates who opt to do their coursework component through advanced research papers, (as opposed to lecture/class attendance), they shall write one advanced paper for each course. Each paper shall be marked out of 100%. The topic of the paper shall be chosen by the candidate on a theme related to the course. The paper shall be marked out of 100%. The pass mark shall also be 50%.

LL.M Disseertation shall be assessed in accordance with the procedures stated in the Postgraduate Regulations.

TAUGHT LLM PROGRAMMES

The programme may be taken in 18 months (full-time) or in two years (part-time), and the schedule is designed to allow attendance by those in full-time employment. In addition to the prescribed list of mandatory/core courses, students are free to choose a combination of elective courses best suited to their respective professional needs and personal interests.

The award of the Taught LLM degree will only follow, upon successful completion of examinations in the appropriate number of courses, and a Graduate Essay.

TAUGHT LLM IN CORPORATE AND COMMERCIAL LAW
1. Structure of the Programme

The LLM in Corporate & Commercial Law requires the study of taught course units to a minimum total value of 180 Credits. At least 90 of these course credits must be within the area of corporate and/or business law covering the compulsory courses and elective courses selected from a designated list. All taught courses offered under the programme shall be worth 15 credits, save for the Graduate Essay which shall carry 60 credits.

2. Entry Requirements

The admission process will follow the guidelines provided by the Tanzania Commission for Universities (TCU) and in accordance with the University of Dar es Salaam regulations regarding postgraduate studies.

For admission into the LLM in Corporate and Commercial Law Programme, an applicant must hold an honours degree of the University of Dar es Salaam or an equivalent degree from another university accredited by the national accreditation authority, or has satisfied the requirements of such degree, with a GPA of 2.7. A candidate with a pass degree may also be considered for admission if their undergraduate GPA is at least 2.5, and they have satisfied the University of Dar es Salaam-School of Law with the academic potential through subsequent work or research experience and/or additional training.

3. Objectives of the Programme
(a) General Objective
The main objective is to provide in-depth training on the foundations of the contemporary legal principles that govern commercial and corporate transactions in such a way that students will be exposed to new dimensions of corporate and commercial law and be able to continually work in the changing business and corporate environment.

(b) Specific Objectives
The specific objectives of the taught Master of Laws in Corporate and Commercial Law are to:
i.   introduce new dimensions of the legal issues on corporate and business transactions;
ii.   explain the legal and policy implications of bilateral and multilateral trading framework;
iii.   demonstrate the trends and dynamic nature of the corporate and business law; and
iv.   study corporate and commercial law in the light of information, communication and technology revolution.

4. Duration of the Programme
The Taught LLM in Corporate and Commercial Law is an 18-month evening programme, combining coursework and a Graduate Essay. The coursework part of the programme should ordinarily be completed within a period of two semesters. The Graduate Essay component is undertaken hand in hand with other courses in the programme, especially from the second semester to ensure that students graduate within 18 months of enrolment.

5. List of Courses
Core Courses

Course Code	Course Title	Credits
LW 696	Advanced Corporate Law	15
LW 607	Advanced Banking Law	15
LW 697	Advanced Specialised Commercial Entities	15
LW 695	Advanced Payment Systems Law	15
LW 616	Graduate Research Seminar	15
LW 699	Graduate Essay	60

Elective Courses (minimum of three courses)

Course Code	Course Title	Credits
LW 694	Advanced Economic and Cybercrimes Law	15
LW 615	Advanced Competition Law	15
LW 613	Advanced Commercial and Consumer Transactions Law	15
LW 630	Advanced Insurance Law	15
LW 600 series	Course(s) from other LLM programmes subject to approval by respective programme coordinators	15

6. Assessment

6.1. Save for the Graduate Essay, each course shall be assessed through coursework (Continuous Assessment) and the University Examination.

6.2. The Continuous Assessment will be carried out through seminar presentations, individual assignments (take-home assignments) and/or timed tests and shall be allocated 40% of the total marks for the course.

6.3. The University Examination shall be allocated the remaining 60% of the total marks.

6.4. The pass mark for all masters' courses, being a combination of the Continuous Assessment and the University Examination, shall be 50%.

6.5. A candidate who obtains less than 20/40 in their Coursework grade shall be deemed to have failed the Continuous Assessment for that course and shall not be eligible to take the University Examination.

6.6. A candidate who is not eligible for the University Examination under Regulation 6.5 above shall be required to carry over the course, subject to any other applicable Regulations.

6.7. A candidate who fails in the first sitting of the University Examination but is eligible to sit for a Supplementary Examination shall NOT re-take the Continuous Assessment during the Supplementary Examination.

Graduate Essay shall be assessed in accordance with the procedures stipulated in the Postgraduate Regulations.

TAUGHT LLM IN TAXATION
1. Structure of the Programme
The programme is structured around a total of eight (8) taught courses. These include five (5) compulsory courses and three (3) electives, plus a Graduate Essay. Students will be required to complete 180 credits. Of these 180 credits, 75 credits will be for core courses, 45 units for elective courses and the remaining 60 credits for a Graduate Essay.

2. Entry Requirements
To be considered for admission into LLM in Taxation, a candidate must be a holder of the LLB degree of the University of Dar es Salaam or an equivalent degree from another University accredited by the national accreditation authority, or has satisfied the requirements of such degree, provided that the minimum GPA is 2.7 or above.

A candidate with a pass degree may also be considered for admission if their undergraduate GPA is at least 2.5 and they have satisfied the University of Dar es Salaam School of Law with the academic potential through subsequent work or research experience and/or additional training for at least a period of six months.

3. Objectives of the Programme
(a) General Objective
The main objective of this course is to train graduate students on principles and law on income taxation. Students will also acquire complete skills in understanding and application of the income tax law and its future developments.

(b) Specific Objectives
The specific objectives of the Taught LLM in Taxation are to:

i. produce tax law practitioners who are fully versed to handle most of the aspects of tax law covering different taxes, skills in tax litigation, tax prosecutions and how taxation relates to other socio-political and economic systems;

ii. develop a cadre of skilled tax law practitioners, tax consultants and competent tax personnel for public institutions, the Government and the private sector;

iii. promote and develop postgraduate tax law education in Tanzania and beyond;
iv. create awareness of the need for in-depth research in tax law; and
v. promote interest and research in tax law.

4. Duration of the Programme
The Taught LLM in Taxation is an 18-month evening programme, combining coursework and a Graduate Essay. The coursework part of the programme should ordinarily be completed within a period of two semesters. The Graduate Essay component is undertaken hand in hand with other courses in the programme, especially starting from the second semester in order to ensure that students graduate within 18 months of enrolment.

5. List of Courses
Core Courses

Course Code	Course Title	Credits
LW 665	Tax Policy and Theory	15
LW 666	Income Tax Law	15
LW 668	Laws on Tax Administration and Taxpayers Rights	15
LW 686	Indirect Taxes	15
LW 616	Graduate Research Seminar	15
LW 699	Graduate Essay	60

Elective Courses (minimum of three courses)

Course Code	Course Title	Credits
LW 667	Taxes on International Trade	15
LW 669	International Taxation	15
LW 688	Capital Gains and Taxes on Property	15
LW 689	Tax Crimes: Investigations and Prosecutions	15
LW 692	Local Government Taxation	15
LW 635	Private International Trade and Finance Law	15
LW 693	Advanced Taxation	15

6. Assessment
6.1. Save for the Graduate Essay, each course shall be assessed through coursework (Continuous Assessment) and the University Examination.
6.2. The Continuous Assessment will be carried out through seminar presentations, individual assignments (take-home assignments) and/or timed tests and shall be allocated 40% of the total marks for the course.
6.3. The University Examination shall be allocated the remaining 60% of the total marks.
6.4. The pass mark for all masters' courses, being a combination of the Continuous Assessment and the University Examination, shall be 50%.
6.5. A candidate who obtains less than 20/40 in their Coursework grade shall be deemed to have failed the Continuous Assessment for that course and shall not be eligible to take the University Examination.
6.6. A candidate who is not eligible for the University Examination under Regulation 6.5 above shall be required to carry over the course, subject to any other applicable Regulations.
6.7. A candidate who fails in the first sitting of the University Examination but is eligible to sit for a Supplementary Examination shall NOT re-take the Continuous Assessment during the Supplementary Examination.

Graduate Essay shall be assessed in accordance with the procedures stipulated in the Postgraduate Regulations.

TAUGHT LLM IN PROCEDURAL LAW AND INTERNATIONAL LEGAL PRACTICE

1. Structure of the Programme

The programme is structured around a total of eight (8) taught courses. These include five (5) core courses and three (3) electives, plus a Graduate Essay. Students will be required to complete 180 credits. Of these 180 credits, 75 credits will be for core courses, 45 units for elective courses and the remaining 60 credits for a Graduate Essay.

2. Entry Requirements

To be considered for admission into this programme, a candidate must be a holder of the LLB degree of the University of Dar es Salaam or an equivalent degree from another University accredited by TCU, or has to satisfy the requirements of such degree, provided that the said LLB degree shall be of a minimum GPA of 2.7 or above.

3. Objectives of the Programme

(a) General Objective

The taught LLM in Procedural Law and International Legal Practice is aimed at providing trainees with both advanced and specialised knowledge of rules of practice and procedure of domestic courts, international arbitral tribunals, as well as regional and global judicial bodies.

(b) Specific Objectives

The specific objectives of the LLM in Procedural Law and International Legal Practice are to:
i.   provide advanced training specific procedural issues in criminal trials and civil litigation;
ii.   expose students to procedures applicable in proceedings before specialised branches of the High Court and other judicial bodies;
iii. provide trainees with knowledge of the rules, procedures and skills, for settling commercial disputes before international disputes settlement mechanisms; and
iv.   equip trainees with knowledge of rules and procedures followed before international public law bodies including regional courts, human rights bodies and international criminal tribunals.

4. Duration of the Programme

The Taught LLM in Procedural Law and International Legal Practice is the 18-month evening programme combining coursework and a Graduate Essay. The coursework part of the programme should ordinarily be completed within a period of two semesters. The Graduate Essay component is undertaken hand in hand with other courses in the programme especially starting from the second semester in order to ensure that students graduate within 18 months of enrolment.

5. List of Courses

Core Courses

Course Code	Course Title	Credits
LW 677	Advanced Civil Procedure	15
LW 678	Advanced Criminal Procedure	15
LW 691	Procedure and Practice in International Judicial Bodies	15
LW 674	International Arbitration Law	15
LW 616	Graduate Research Seminar	15
LW 699	Graduate Essay	60

Elective Courses (minimum of three courses)

Course Code	Course Title	Credits
LW 679	Advanced Evidence Law	15
LW 606	Alternative Dispute Resolution (ADR)	15
LW 683	East African Community Law	15
LW 649	Refugee Law	15

LW 687	Labour Migration Law	15
LW 628	International Human Rights Law	15
LW 633	International Humanitarian Law	15
LW 631	Regional Integration Law	15
LW 684	Immigration Law	15
LW 658	Criminal Procedure and the Protection of Individual Liberty	15
LW 690	International Criminal Law	15

6. Assessment

6.1. Save for the Graduate Essay, ach course shall be assessed through coursework (Continuous Assessment) and the University Examination.

6.2. The Continuous Assessment will be carried out through seminar presentations, individual assignments (take-home assignments) and/or timed tests and shall be allocated 40% of the total marks for the course.

6.3. The University Examination shall be allocated the remaining 60% of the total marks.

6.4. The pass mark for all masters' courses, being a combination of the Continuous Assessment and the University Examination, shall be 50%.

6.5. A candidate who obtains less than 20/40 in their Coursework grade shall be deemed to have failed the Continuous Assessment for that course and shall not be eligible to take the University Examination.

6.6. A candidate who is not eligible for the University Examination under Regulation 6.5 above shall be required to carry over the course, subject to any other applicable Regulations.

6.7. A candidate who fails in the first sitting of the University Examination but is eligible to sit for a Supplementary Examination shall NOT re-take the Continuous Assessment during the Supplementary Examination.

Graduate Essay shall be assessed in accordance with the procedures stipulated in the Postgraduate Regulations.

TAUGHT LLM IN INTELLECTUAL PROPERTY LAW

1. Structure of the Programme

The programme is structured around a total of seven (7) taught courses. These include five (5) core courses and two (2) electives, plus a Graduate Essay. Students will be required to complete 180 credits. Of these 180 credits, 90 credits will be for core courses, 30 credits for elective courses and the remaining 60 credits
for a Graduate Essay.

2. Entry Requirements

To be considered for admission into this programme, a candidate must be a holder of the LLB degree of the University of Dar es Salaam or an equivalent from another university accredited by the national accreditation authority, or has to satisfy the requirements of such degree provided that the said LLB degree shall be of a minimum GPA of 3.0.

A candidate with the LLB degree with at least a GPA of 2.7 may be considered for admission if they have satisfied the University of Dar es Salaam School of Law with the academic potential through subsequent work or research experience and/or additional training

3. Objectives of the Programme

a)   General Objective

The underlying overall objective of the programme is to provide an in-depth training and research platform to students on wide dimensions and interface of intellectual property policy and regulatory issues as they apply in a broad spectrum of society developmental issues. The focus is to develop a tailor-

made approach that suits lawyers and law enforcement agencies, and delve into the best intellectual property rights approaches that can be used to achieve developmental goals while considering the context and obtaining circumstances in a particular environment.

b) Specific Objectives

The specific objectives of the LLM in Intellectual Property Law are to:

i.   equip students with substantive understanding and application of intellectual property rights at the local, regional and international levels;

ii.   enable students understand the protection mechanism and various commercialisation options of the IP assets available to creators and users of IP related assets;

iii.   impart negotiation skills in technology transfer and investment agreements, in particular on the role of intellectual property rights in such deals;

iv.   prepare the generation that will take a lead in participation and formulation of the appropriate policy and laws on intellectual property that reflect the context and level of development of a particular country;

v.   empower students with knowledge and skills in critical analysis of international, regional and national intellectual property rights, policies and trade regulations;

vi.   provide education and training on intellectual property rights;

vii.   provide service to the profession and society by interpreting intellectual property rights system so as to assist policymakers and regulators in formulating informed policies, regulations, and decisions;

viii.   provide students with comprehensive knowledge in intellectual property rights that will allow them to be successful in their chosen careers;

ix.   conduct a basic and applied research that provides fundamental knowledge about intellectual property rights; and

x.   provide graduates with adequate knowledge and skills to enable them to assist inventors of new products and processes as well as creators of artistic works to protect their invention and harness value from their creative works.

4. Duration of the Programme

The Taught LLM in Intellectual Property Law is an 18-month evening programme combining coursework and a Graduate Essay. The coursework part of the programme should ordinarily be completed within a period of two semesters. The Graduate Essay component is undertaken hand in hand with other courses in the programme, especially starting from the second semester in order to ensure that students graduate within 18 months of enrolment.

5. List of Courses

Core Courses

Course Code	Course Title	Credits
LW 600	General Issues of IP System	30
LW 601	Patents, Industrial Designs and Innovation	15
LW 697	Intellectual Property Policy Making	15
LW 698	Intellectual Property and Development	15
LW 616	Graduate Research Seminar	15
LW 699	Graduate Essay	60

Elective Courses (minimum of two courses)

Course Code	Course Title	Credits
LW 602	Trade and Service Marks	15
LW 603	Copyright and Neighboring Rights	15
LW 660	Law on Biotechnology and Plant Breeders Rights	15
LW 661	Intellectual Property and Genetic Resources, Protection of	15

	Traditional Knowledge and Folklore	
LW 662	Intellectual Property for SMEs and Large Enterprises	15
LW 663	International Intellectual Property Rights System	15
LW 664	Intellectual Property Strategy	15
LW 635	Private International Trade and Finance Law	15
LW 683	East African Community Law	15

6. Assessment
6.1. Save for the Graduate Essay, each course shall be assessed through coursework (Continuous Assessment) and the University Examination.
6.2. The Continuous Assessment will be carried out through seminar presentations, individual assignments (take-home assignments) and/or timed tests and shall be allocated 40% of the total marks for the course.
6.3. The University Examination shall be allocated the remaining 60% of the total marks.
6.4. The pass mark for all masters' courses, being a combination of the Continuous Assessment and the University Examination, shall be 50%.
6.5. A candidate who obtains less than 20/40 in their Coursework grade shall be deemed to have failed the Continuous Assessment for that course and shall not be eligible to take the University Examination.
6.6. A candidate who is not eligible for the University Examination under Regulation 6.5 above shall be required to carry over the course, subject to any other applicable Regulations.
6.7. A candidate who fails in the first sitting of the University Examination but is eligible to sit for a Supplementary Examination shall NOT re-take the Continuous Assessment during the Supplementary Examination.

Graduate Essay shall be assessed in accordance with the procedures stipulated in the Postgraduate Regulations.

LLM IN REGIONAL INTEGRATION AND EAST AFRICAN COMMUNITY LAW
1. Structure of the Programme
The programme is structured around a total of eight (8) taught courses. These include five (5) core courses and three (3) electives, plus a dissertation. Students will be required to complete 180 credits. Of these 180 credits, 75 credits will be for core courses, 45 credits for elective courses and the remaining 60 credits for a Dissertation.

2. Entry Requirements
To be considered for admission into this programme, a candidate must be a holder of the LLB degree of the University of Dar es Salaam or an equivalent degree from another University accredited by the national accreditation authority, or one has to satisfy the requirements of such degree, PROVIDED that the said LLB degree shall be a minimum GPA of 3.0 or above.

A candidate with the LLB degree with at least a GPA of 2.7 may be considered for admission if they have satisfied the University of Dar es Salaam School of Law with the academic potential through subsequent work or research experience and/or additional training.

3. Objectives of the Programme
a) General Objective
The general objective of the LLM in Regional Integration and East African Community Law programme is to equip trainees with both advanced and specialised knowledge in regional and EAC integration laws.

b) Specific Objectives
The specific objectives of the LLM in Regional integration and East African Community Law are to:
i.   provide advanced training on specific rules and practices relating to regional integration models in the world;

ii.   expose to the students the Treaty for the Establishment of the EAC, particularly its legal relationship with and implications on national laws of partner states;

iii.   expose students to the four-stage integration model adopted in the EAC Treaty and legal challenges and implications thereto; and

iv.   expose the students to the EAC organs, such as the East African Court of Justice, and their jurisprudence arising thereof in relation to national jurisdictions.

4. Duration of the Programme

The Taught LLM in Regional Integration and East African Community Law is an 18-month evening programme combining coursework and dissertation. The coursework part of the programme should ordinarily be completed within a period of two semesters. The dissertation component is undertaken hand in hand with other courses in the programme, especially starting from the second semester in order to ensure that students graduate within 18 months of enrolment.

5. List of Courses

Core Courses

Course Code	Course Title	Credits
LW 631	Regional Integration Law	15
LW 683	East African Community Law	15
LW 684	Immigration Law	15
LW 687	Labour Migration Law	15
LW 616	Graduate Research Seminar	15
LW 699	Dissertation	60

Elective Courses (minimum of three courses)

Course Code	Course Title	Credits
LW 649	Refugee Law	15
LW 691	Procedure and Practice before International Public Judicial Bodies	15
LW 628	International Human Rights Law	15
LW 685	Citizenship Law	15
LW 600 series	Course(s) from other LLM programmes subject to approval by respective programme coordinators	15

6. Assessment

6.1.   Save for the Graduate Essay, each course shall be assessed through coursework (Continuous Assessment) and University Examination.

6.2.   The Continuous Assessment will be carried out through seminar presentations, individual assignments (take-home assignments) and/or timed tests and shall be allocated 40% of the total marks for the course.

6.3.   The University Examination shall be allocated the remaining 60% of the total marks.

6.4.   The pass mark for all masters' courses, being a combination of the Continuous Assessment and the University Examination, shall be 50%.

6.5.   A candidate who obtains less than 20/40 in their Coursework grade shall be deemed to have failed the Continuous Assessment for that course and shall not be eligible to take the University Examination.

6.6.   A candidate who is not eligible for the University Examination under Regulation 6.5 above shall be required to carry over the course, subject to any other applicable Regulations.

6.7.   A candidate who fails in the first sitting of the University Examination but is eligible to sit for a Supplementary Examination shall NOT re-take Continuous Assessment during the Supplementary Examination.

Graduate Essay shall be assessed in accordance with the procedures stipulated in the Postgraduate Regulations.

TAUGHT LLM IN OIL AND GAS LAW

1. Structure of the Programme

The programme is structured around a total of eight (8) taught courses. These include five (5) core courses and three (3) electives, plus a Graduate Essay. Students will be required to complete 180 credits. Of these 180 credits, 75 credits will be for core courses, 45 credits for elective courses and the remaining 60 credits for a Graduate Essay.

2. Entry Requirements

The admission process will follow the guidelines provided by the Tanzania Commission for Universities (TCU) and in accordance with the University of Dar es Salaam regulations regarding postgraduate studies. For admission into the LLM in Oil and Gas Law, an applicant must possess an honours degree of the University of Dar es Salaam or an equivalent from another university recognised by TCU, with a GPA of 2.7.

A candidate with a pass degree may also be considered for admission if their undergraduate GPA is at least 2.5 and they have satisfied the University of Dar es Salaam School of Law with the academic potential through subsequent work or research experience and/or additional training.

3. Objectives of the Programme

(a) General Objective

The main objective of this programme is to enable students gain advanced and specialist education in selected areas of Oil and Gas Law which provide a basis from which to undertake academic research and effectively work in the corporate and public sectors.

(b) Specific Objectives

The specific objectives of the LLM in Oil and Gas Law are to:

i.   enhance knowledge of the current legal rules and issues in the exploitation of Oil and Gas sectors globally and Tanzania in particular;
ii.   enhance understanding of legal issues and institutional framework for the governance of Oil and Gas sectors;
iii.   generate an understanding of the legal environment, both regulatory and contractual in the Oil and Gas Sectors;
iv.   equip students with advanced knowledge and skills on the complex issues surrounding contracting, taxation and energy security;
v.   create an insight on the key issues in negotiating Oil and Gas investment agreements;
vi.   analyse the challenges and lessons learnt from the existing Oil and Gas Agreements in Tanzania and the future prospects; and
vii.   introduce new dimensions of the international and national legal issues affecting the operation of Oil and Gas investment agreements.

4. Duration of the Programme

The Taught LLM in Oil and Gas Law is an 18-month evening programme, combining coursework and a Graduate Essay. The coursework part of the programme should ordinarily be completed within a period of two semesters. The Graduate Essay component is undertaken hand in hand with other courses in the programme especially starting from the second semester in order to ensure that students graduate within 18 months of enrolment.

5. List of Courses

Core Courses

Course Code	Course Title	Credits
LO 600	State Control of Hydrocarbons	15
LO 601	Energy Law	15
LO 602	Contracting in Oil and Gas Operations	15
LW 674	International Commercial Arbitration	15
LW 616	Graduate Research Seminar	15
LW 699	Graduate Essay	60

Elective Courses (minimum of 3 courses)

Course Code	Course Title	Credits
LW 615	Competition Law	15
LO 603	Oil and Gas Taxation	15
LO 604	Good Governance in Oil and Minerals	15
LO 605	Corporate Environmental Liability	15
LO 606	Principles of Environmental Regulations	15

6. Assessment

6.1. Save for the Graduate Essay, each course shall be assessed through coursework (Continuous Assessment) and University Examination.

6.2. The Continuous Assessment will be carried out through seminar presentations, individual assignments (take-home assignments) and/or timed tests and shall be allocated 40% of the total marks for the course.

6.3. The University Examination shall be allocated the remaining 60% of the total marks.

6.4. The pass mark for all masters' courses, being a combination of Continuous Assessment and University Examination, shall be 50%.

6.5. A candidate who obtains less than 20/40 in their Coursework grade shall be deemed to have failed the Continuous Assessment for that course and shall not be eligible to take the University Examination.

6.6. A candidate who is not eligible for the University Examination under Regulation 6.5 above shall be required to carry over the course, subject to any other applicable Regulations.

6.7. A candidate who fails in the first sitting of the University Examination but is eligible to sit for a Supplementary Examination shall NOT re-take Continuous Assessment during Supplementary Examination.

Graduate Essay shall be assessed in accordance with the procedures stipulated in the Postgraduate Regulations.

OTHER MASTER'S PROGRAMMES (NON-LLM)
MASTER OF ARTS IN REVENUE LAW AND ADMINISTRATION (MA RLA)
1. Programme Structure
Uniquely interdisciplinary, the course aims at creating a cadre of leaders equipped with refined, specialised professional knowledge that would enable them re-position their respective organisations to meet the demands of today's dynamic global economy.

2. Entry Requirements
To be considered for admission to this programme, a candidate must be a holder of the bachelor's degree in Law, Accountancy, Finance, Economics or any other related field from the University of Dar es Salaam or an equivalent degree from another university accredited by the national accreditation authority, or has to satisfy the requirements for the award of such degree provided that the said bachelor's degree shall be of GPA of 2.7 or above.

For an applicant with a pass degree may be considered for admission if they satisfy the University of Dar es Salaam School of Law that they have work experience of more than six months since graduation.
<center>OR</center>
For admission to the taught Master of Arts in Revenue Law and Administration, the applicant shall be a holder of a bachelor's degree or equivalent qualification in Taxation, Accounting, Economics, Law or any business related discipline, and they must be a holder of a Postgraduate Diploma in Taxation (PDGT) offered by the Institute of Tax Administration or equivalent qualification offered by any other accredited institution.

A bachelor's degree or equivalent qualification in Taxation, Accounting, Economics, Law or any business-related discipline without a postgraduate diploma in taxation (or equivalent qualification) may be admitted provided that they scored at least upper second class at undergraduate level.

3. Objectives of the Programme
a) General Objective
This being an interdisciplinary programme, it aims at training a cadre of high level human resources to acquire advanced knowledge in revenue law and administration and enable them to become leaders in various aspects of taxation or customs.

b) Specific Objectives
The specific objectives of the taught Master of Arts in Revenue Law and Administration are to:
i.   acquaint candidates with knowledge, skills, attitudes and capabilities on taxation or customs policies and practices, depending on one's specialisation;
ii.   enable candidates make substantive and more effective contribution to tax or customs administration;
iii.   enable candidates offer effective contribution in the process of tax or customs reforms and its processes;
iv.   enable candidates plan and implement more effective taxation or customs policies and strategies;
v.   enable candidates be problem solvers on taxation or customs related matters; and
vi.   enable candidates perform new tasks relating to taxation or customs in a globalised economy.

4. Duration and Programme Format
The Master of Arts in Revenue Law and Administration is the 18-month evening programme, combining coursework and a Graduate Essay. The programme is also structured to enable candidates to graduate with either the taxation major or customs major. A candidate will be required to complete 90 credits during the first semester and 90 credits during the second semester as shown in the table below.

5. List of Courses
Taxation
Core Courses

Course Code	Course Title	Credits
LW 665	Tax Policy and Theory	15
LW 668	Laws on Tax Administration and Taxpayers Rights	15
LW 669	International Taxation	15
MR 600	Revenue Forecasting and Fiscal Analysis	15
LW 699	Graduate Essay	60

Customs
Core Courses

Course Code	Course Title	Credits
LW 665	Tax Policy and Theory	15
LW 667	Taxes on International Trade	15
LW 668	Laws on Tax Administration and Taxpayers Rights	15
MRA 601	Customs Management: Theory and Practice	15
LW 699	Graduate Essay	60

Taxation
Elective Courses (minimum of 4 courses)

Course Code	Course Title	Credits
LW 666	Income Tax	15
LW 667	Taxes on International Trade	15
LW 669	International Taxation	15
LW 686	Indirect Taxes	15
LW 688	Capital Gains and Taxes on Property	15
LW 689	Tax Crimes: Investigations and Prosecutions	15
LW 692	Local Government Taxation	15
MR 602	Tax Compliance and Risk Management	15
LW 693	Advanced Taxation	15
LR 601	Research Methods	15

Customs
Elective Courses (minimum of 4 courses)

Course Code	Course Title	Credits
LW 666	Income Tax	15
LW 669	International Taxation	15
LW 686	Indirect Taxes	15
LW 688	Capital Gains and Taxes on Property	15
LW 689	Tax Crimes: Investigations and Prosecutions	15
LW 692	Local Government Taxation	15
MR 602	Tax Compliance and Risk Management	15
LW 693	Advanced Taxation	15
LW 635	Private International Trade and Finance Law	15
LR 601	Research Methods	15

6. Assessment

6.1. Save for the Graduate Essay, each course shall be assessed through coursework (Continuous Assessment) and University Examination.

6.2. The Continuous Assessment will be carried out through seminar presentations, individual assignments (take-home assignments) and/or timed tests and shall be allocated 40% of the total marks for the course.

6.3. The University Examination shall be allocated the remaining 60% of the total marks.

6.4. The pass mark for all masters' courses, being a combination of Continuous Assessment and University Examination, shall be 50%.

6.5. A candidate who obtains less than 20/40 in their Coursework grade shall be deemed to have failed the Continuous Assessment for that course and shall not be eligible to take the University Examination.

6.6. A candidate who is not eligible for the University Examination under Regulation 6.5 above shall be required to carry over the course, subject to any other applicable Regulations.

6.7. A candidate who fails in the first sitting of the University Examination but is eligible to sit for a Supplementary Examination shall NOT re-take Continuous Assessment during the Supplementary Examination.

Graduate Essay shall be assessed in accordance with the procedures stipulated in the Postgraduate Regulations.

MASTER OF MIGRATION AND REFUGEE LAW
1. Structure of the Programme
The programme is structured around a total of eight (8) taught courses. These include five (5) compulsory courses and three (3) electives, plus a Graduate Essay. Students will be required to complete 180 credits. Of these 180 credits, 75 credits will be for compulsory courses, 45 credits for elective courses and the remaining 60 credits for a Graduate Essay.

2. Entry Requirements
For admission to the Master in Migration and Refugee Law Programme, applicants must hold an honours degrees in Law, Law Enforcement or any related degree of the University of Dar es Salaam or an equivalent one from another university accredited by the national accreditation authority, with a GPA of 2.7 and above.

3. Objectives of the Programme
a)   General Objective
The underlying overall objective of the programme is to provide an in-depth training and research platform to students on wide dimensions of migration and related subject with a view to producing highly skilled personnel to deal with the expanding issues of migration and refugee in East Africa, Africa and at global level. The focus is to develop regional (East Africa and Africa as a whole) tailor-made approach and delve into the best migration management approaches that can be used to achieve developmental goals while considering the context and obtaining circumstances of Tanzania and its regional economic organisations as well as the African continent.

b)   Specific Objectives
The specific objectives of the Master of Migration and Refugee Law are to:
i.   promote and develop migration management education in Tanzania and the East African sub-regional as a whole;
ii.   expose students to a comprehensive and detailed understanding of the legal norms and instruments applicable to all international migratory movements;
iii.   impart to practical skills students for day to day implementation and enforcement of migration related laws;
iv.   stimulate interest in research in matters of migration and refugee law as well as migration management in general;
v.   create a pool of specialists in the field of migration and refugee law to serve in governments, international and national organisations as well as academics in institutions of higher learning;
vi.   train future academics in the field of migration and refugee law; and
vii.   fulfil the UDSM vision of prioritising postgraduate training and increasing enrolment of postgraduate students.

4. Duration of the Programme
The Taught Master of Migration and Refugee Law is the 18-month evening programme, combining coursework and a Graduate Essay. The coursework part of the programme should ordinarily be completed within a period of two semesters. The Graduate Essay component is undertaken hand in hand with other courses in the programme, especially starting from the second semester in order to ensure that students graduate within 18 months of enrolment.

5. List of Courses
Core Courses

Course Code	Course Title	Units
LW 684	Immigration Law	15
LW 649	Refugee Law	15
LW 687	Labour Migration Law	15
LW 685	Citizenship Law	15
LW 616	Graduate Research Seminar	15
LW 699	Graduate Essay	60

Elective Courses (minimum of 3 courses)

Course Code	Course Title	Units
LW 683	East African Community Law	15
LW 691	Procedure and Practice in International Judicial Bodies	15
LW 658	Criminal Procedure and the Protection of Individual Liberty	15
LW 631	Regional Integration Law	15
LW 628	International Human Rights Law	15
LW 633	International Humanitarian Law	15
LW 600 series	Course(s) from other LLM programmes subject to approval by the respective course coordinators	15

6. Assessment

6.1. Save for the Graduate Essay, each course shall be assessed through coursework (Continuous Assessment) and University Examination.

6.2. The Continuous Assessment will be carried out through seminar presentations, individual assignments (take-home assignment) and/or timed tests and shall be allocated 40% of the total marks for the course.

6.3. The University Examination shall be allocated the remaining 60% of the total marks.

6.4. The pass mark for all masters' courses, being a combination of Continuous Assessment and University Examination, shall be 50%.

6.5. A candidate who obtains less than 20/40 in their Coursework grade shall be deemed to have failed the Continuous Assessment for that course and shall not be eligible to take University Examination.

6.6. A candidate who is not eligible for University Examination under Regulation 6.5 above shall be required to carry over the course, subject to any other applicable Regulations.

6.7. A candidate who fails in the first sitting of University Examination but is eligible to sit for a Supplementary Examination shall NOT re-take Continuous Assessment during Supplementary Examination.

The Graduate Essay shall be assessed in accordance with the procedures stipulated in the Postgraduate Regulations.

TAUGHT MASTER OF INTELLECTUAL PROPERTY (MIP)

1. Structure of the Programme

The programme is structured around a total of seven (7) taught courses. These include five (5) core courses and two (2) electives, plus a Graduate Essay. Students will be required to complete 180 credits. Of these 180 credits, 90 credits will be for compulsory courses, 30 credits for elective courses and the remaining 60 credits for a Graduate Essay.

2. Entry Requirements

The admission process will follow the guidelines provided by the Tanzania Commission for Universities (TCU) and in accordance with the University of Dar es Salaam regulations regarding postgraduate studies. The applicant should be a holder of any bachelor's degree from any university accredited by the national accreditation authority, with at least the GPA of 2.7.

3. Objectives of the Programme

a) General Objective

The underlying overall objective of the programme is to provide an in-depth training and research platform to students on wide dimensions and interface of intellectual property policy and regulatory issues as they apply in a broad spectrum of society developmental issues. The focus is to develop regional (East Africa and Africa as a whole) tailor-made approach and delve into the best intellectual property rights approaches that can be used to achieve developmental goals while considering the context and obtaining circumstances of the region.

b) Specific Objectives

The specific objectives of the Master of Intellectual Property are to:

i.   equip students with substantive understanding and application of intellectual property rights at the local, regional and international levels;

ii. enable students understand the protection mechanism and the various commercialisation options of the IP assets available to creators and users of IP related assets;

iii. impart negotiation skills in technological transfer and investment agreements, in particular on the role of intellectual property rights in such deals;

iv. prepare the generation that will take the lead in participation and formulation of the appropriate policy and laws on intellectual property that reflect the context and level of development of a particular country;

v.   empower students with knowledge and skills in critical analysis of international, regional and national intellectual property rights policies and trade regulations;

vi. provide education and training in intellectual property rights;

vii. provide service to the profession and society by interpreting intellectual property rights system so as to assist policymakers and regulators in formulating informed policies, regulations, and decisions;

viii. provide students with comprehensive knowledge in intellectual property rights that will allow them to be successful in their chosen careers;

ix. conduct basic and applied research that provides fundamental knowledge about intellectual property rights; and

x.   enrich graduates with adequate knowledge and skills to enable them to assist inventors of new products and processes as well as creators of artistic works to protect their invention and harness value from their creative works.

4. Duration of the Programme

The Taught Master of Intellectual Property is the 18-month evening programme, combining coursework and a Graduate Essay. The coursework part of the programme should ordinarily be completed within a period of two semesters. The Graduate Essay component is undertaken hand in hand with other courses in the programme, especially starting from the second semester in order to ensure that students graduate within 18 months of enrolment.

5. List of Courses

Core Courses

Course Code	Course Title	Credits
LW 600	General Issues of IP System	30
LW 601	Patents, Industrial Designs and Innovation	15
LW 697	Intellectual Property Policy Making	15
LW 698	Intellectual Property and Development	15
LW 616	Graduate Research Seminar	15
LW 699	Graduate Essay	60

Elective Courses (minimum of 2 courses)

Course Code	Course Title	Credits
LW 602	Trade and Service Marks	15
LW 603	Copyright and Neighboring Rights	15
LW 660	Law on Biotechnology and Plant Breeders Rights	15
LW 661	Intellectual Property and Genetic Resources, Protection of Traditional Knowledge and Folklore	15
LW 662	Intellectual Property for SMEs and Large Enterprises	15
LW 663	International Intellectual Property Rights System	15
LW 664	Intellectual Property Strategy	15
LW 635	Private International Trade and Finance Law	15
LW 683	East African Community Law	15

6. Assessment

6.1. Save for the Graduate Essay, each course shall be assessed through coursework (Continuous Assessment) and University Examination.

6.2. The Continuous Assessment will be carried out through seminar presentations, individual assignments (take-home assignments) and/or timed tests and shall be allocated 40% of the total marks for the course.

6.3. The University Examination shall be allocated the remaining 60% of the total marks.

6.4. T he pass mark for all masters' courses, being a combination of Continuous Assessment and University Examination, shall be 50%.

6.5. A candidate who obtains less than 20/40 in their Coursework grade shall be deemed to have failed the Continuous Assessment for that course and shall not be eligible to take the University Examination.

6.6. A candidate who is not eligible for the University Examination under Regulation 6.5 above shall be required to carry over the course, subject to any other applicable Regulations.

6.7. A candidate who fails in the first sitting of the University Examination but is eligible to sit for a Supplementary Examination shall NOT re-take Continuous Assessment during the Supplementary Examination.

Graduate Essay shall be assessed in accordance with the procedures stipulated in the Postgraduate Regulations.

DEGREE OF DOCTOR OF PHILOSOPHY

1. Eligibility for Admission

The following shall be eligible for registration for the Doctor of Philosophy programme.

i. A holder of the Master of Laws degree of this University.

ii. A holder of an LLB first class degree of this University who has initially registered for the Master of Laws and applied for permission to transfer his registration to the PhD degree. If the application is approved by the Board of Postgraduate Studies, their registration for PhD shall be retroactive.

iii. A holder of an LLM or an equivalent master's degree from another University accredited by the national accreditation authority.

2. Duration of the Programme

No candidate may be permitted to submit a thesis for the Doctor of Philosophy degree in less than two academic years from the date of registration, with the special permission of the Senate. The thesis must be submitted within six years from the date of registration for the degree though Senate may, on the recommendation of the School Board, extend this time.

3. Course Programme

A prospective candidate for the PhD degree is required to submit a research proposal they propose to pursue; on approval by the School Postgraduate Studies Committee, the candidate shall proceed with the research. A supervisor will be appointed by the School to advise the candidate in their field of study or research. Where required, a candidate may choose any subject from those offered at Master of Laws level.

A candidate shall be required to submit a thesis embodying results of their study at the end of the programme. The PhD by thesis shall be marked on Pass or Fail basis. The general University rules and regulations relating to submission of thesis shall apply to PhD candidates.

DOCTOR OF LAWS

LLD is retained as a higher doctorate to be awarded in accordance with rules and regulations relating to higher doctorates at the University of Dar es Salaam.

UDSoL STAFF LIST

Office of the Dean
Senior Lecturer and Dean
L. Mussa, LLB, LLM, PhD (Dar)

Lecturer and Coordinator of Postgraduate Studies
G. Temu, LLB, LLM (Dar), Dr. Jur (Bayreuth)

Lecturer and Coordinator of Undergraduate Studies
C. E. Ngaiza, LLB, LLM (Dar), Dr. jur. (Bayreuth)

Lecturer and Coordinator of BA Law Enforcement Programme
A.A. Kinunda, LLB, LLM, PhD (Dar)

Lecturer and Head of Examinations
N. P. Amani, LLB, LLM, PhD (Dar)

Secretary to the Dean`s Office
Principal Office Management Secretary
M. K. Akukweti, Cert (VETA), Dip (TPSC), MDEA (Dar)

Principal Human Resource Officer's Office
E.U. Kilawe, BA. PSPA & PHR (Dar)

Senior Administrative Officer
A.B. Rweyongeza BA. PSPA & QLA (Dar)
P. D. Gabriel, BA. PSPA (Dar)*Accountants*

Accountants
Principal Accountant I
S. C. Mwawengo, CPA (T), BCom, MBA (Dar)

Senior Accounting Officer I
E. A. Suleiman, Dip, AdvDip (CBE)

Senior ICT Officer I
F. J. Kasper, BSc (Mysore), Post baccalaureate (Texas)

Principal Supplies Officer II
M. X. Nchimbi, CPSP (PSPTB), NSC (NBMM), ATECH II (NBAA)

Senior Records Management Assistant I
N. P. Tarimo, Cert, Clerical Training Duties (Dar)

Library Assistant
W.M.Muhoni Cert (MoCU)

Drivers
E. J. Budeba, Driving Course Certificate (VETA), Driving Certificate Grade II (NIT)
Office Assistants
C.T. Kisavio, Cert (Dar)
E. C. Mkude, Cert (Dar)

Programme Assistants
W. Assey, BASO (Dar), MA (Holborn College) - London
N. R. Tilumanywa, Cert in Law (Dar); Diploma In Law (Tumaini)

Department of Public Law
Lecturer and Head
B.C. Rop, LLB (TUDARCo), LLM, PhD (Dar)

Office Management Secretary and Secretary to the Head
M. Chionda, Cert, Dip (TPSC), MDEA

Professor Emeritus
I. G. Shivji, LLB (Dar), LLM (London), PhD (Dar)

Lecturers
I. R. Mandi, LLB, LLM, PhD (Dar)
A. Rwegasira, LLB, LLM,Ph.D (Dar)
T. S. Jaba, LLB, LLM (Dar), PhD (Warwick)
B.C. Rop, LLB (TUDARCo), LLM, PhD (Dar)
J. O. Koyugi, LLB, LLM, PhD (Dar)

Assistant Lecturers
H. J. Msuya, LLB, LLM (Dar)
V. A. Clemence, LLB (Morogoro), LLM (Dar)
S. A.Mlimuka, LLB, LLM (Dar)

Tutorial Assistant
*E. M. Mlasani, LLB (Dar)
*E. M. Mlasani, LLB (Dar)
N.J. January, LL.B (Dar)
A.J. Mwasampinde LL.B (Mzumbe - Morogoro)
A.A. Byakabaga LL.B (Dar)

Department of Economic Law
Lecturer and Head
F. Kimario, LLB, LLM (Dar), Dr. jur. (Bayreuth)

Office Management Secretary and Secretary to the Head
H. L. Gwivaha, Dip, Cert, MDEA (TPSC)

Professor Emeritus
M. Fimbo, LLB (EA), LLM (London), PhD (Dar)

Associate Professors
F. D. A. M. Luoga, LLB (Dar), LLM (Canada), MIL (Lund), PhD (Warwick)
S. J. Mwakaje, LLB (Dar), LLM (Franklin Pierce Law Centre), PhD (Dar)

Senior Lecturers
S. F. Materu, LLB (Dar), LLM (UWC), Dr. jur. (Humboldt)
D. A. M. Shayo, LLB, LLM (Dar), LLM, Dr. jur. (Konstanz)

Lecturers
E. Nyika, LLB, LLM (Dar), PhD (Aberdeen)
P. Melkiori, LLB, LLM, PhD (Dar)
H. I. Abdulrahman, LLB, LLM, PhD (Dar)
F. Kimario, LLB, LLM (Dar), Dr. jur. (Bayreuth)
D. Daniel, LLB, LLM, PhD (Dar)

Assistant Lecturers
*E. Mshana, LLB, LLM (Dar)
*N. S. Sehewa, LLB, LLM. (Dar)
*E. Mlingwa, LLB (Dar), LLM (UWC & Humboldt)
*H. Tumaini, LLB (Dar), LLM (Aberdeen)
*L. Masalu, LLB, LLM (Dar)
D. Omosso, LLB, LLM (Dar)

Tutorial Assistants
*M. W. Machunda, LLB (Dar)
*Z. C. Yohana, LLB (Dar)
M. W. Machunda, LLB (Dar)
*Z. C. Yohana, LLB (Dar)
D.D. Kagali LL.B (Dar)
G.N. Makunganya LL.B (Dar)

Department of Private Law
Lecturer and Head
F. Sabby, LLB, LLM, PhD (Dar)

Professor Emeritus
C. M. Peter, LLB, LLM (Dar), Dr. jur. (Konstanz)

Associate Professors
B. S. Rutinwa, LLB (Dar), LLM (Queen's), BCL, PhD (Oxford)
H. I. Majamba, LLB (Dar), LLM (Queen's), PhD (Northeastern)

Senior Lecturer
L. Mussa, LLB, LLM, PhD (Dar)

Lecturers
B. Kanyabuhinya, LLB, (Dar), LLM (Franklin Pierce Law Centre), PhD (Dar)
G. Kiwory, LLB, LLM (Dar), Dr. jur. (Bayreuth)
A. J. Mwiburi, LLB, LLM (Dar), Dr. jur. (Bayreuth)
F. Sabby, LLB, LLM, PhD (Dar)
N. Filbert, LLB (Dar), LLM (UWC & Humboldt), Dr. jur. (Humboldt)
V. Buchumi, LLB, LLM (Dar), Dr. jur. (Bayreuth)
T. Romwarld, LLB, LLM (Dar), PhD (Aberdeen)
N. P. Amani, LLB, LLM, PhD (Dar)
G. Temu, LLB, LLM (Dar), Dr. jur. (Bayreuth)
P. Petro, LLB, LLM, PhD (Dar)

C. E. Ngaiza, LLB, LLM (Dar), Dr. jur. (Bayreuth)
A. Kaitu, LLB, LLM (Dar), PhD (Antwep)

Assistant Lecturers
G. Samwel, LLB, LLM (Dar)
* H. Tizeba, LLB (Dar), LLM (UWC & Humboldt)
*B. J. Mabula, LLB, LLM (Dar)
C. Mairo, LLB, LLM (Dar)
*N. B. Komba, LLB, LLM (Dar)
J.C.Rwihura, LLB, LLM (Dar)

Tutorial Assistant
*M. N.Ntabaye, LLB (Dar)
*M. N. Ntabaye LLB (Dar)
S.P. Mbabaye LL.B (Mzumbe – Morogoro)
J.I. Masangula LL.B (Dar)
R.T. Mwalulefu LL.B (Mzumbe – Morogoro)
E.L. Mlay LL.B (Dodoma)
_____
* On Study Leave
**On Sabbatical Leave
***On Leave of Absence/Secondment

INTRODUCTION

The School of Education traces its beginning back to July 1964, when a Department of Education was established as one of the University's several teaching departments within the University's second faculty, the Faculty of Arts and Social Sciences. The Faculty of Arts and Social Sciences was established in 1964, following the very first faculty-the Faculty of Law-with which the then University College Dar es Salaam (UCD) began, in 1961, as the country's highest institution of learning and training. In the previous year, 1964, the University College Dar es Salaam had just become a constituent college of the University of East Africa, in a federal setup together with the other two university colleges at Makerere (in Uganda) and Nairobi (in Kenya).

The Faculty of Education was established in July 1989. Within the historical development of the University, this the faculty was the eighth to be created in the University, although, in fact it remains seventh after the University's fifth faculty (Agriculture) long matured and was hived off in 1984 to become a second public university in the country. In 2008, the University of Dar es Salaam decided to cluster existing academic units and establish new ones in order to improve operational efficiency and optimal utilisation of resources. It is through that decision that what was originally the Faculty of Education was transformed to a School of Education. The School of Education was officially inaugurated on 15th May, 2009. The School of Education comprises the following departments: (i) Department of Educational Foundations, Management, and Lifelong Learning (EFMLL); (ii) Department of Educational Psychology and Curriculum Studies (EPCS); and (iii) Department of Physical Education Sport Sciences (PESS). The School of Education has a Centre for Educational Research and Professional Research (CERPD) that is responsible for coordinating research activities, publications, consultancy, staff-student seminars and professional development. The Special Education Needs Unit (SENU) serves students with special needs at the University of Dar es Salaam and is part of the family of the School of Education.

PROGRAMMES OFFERED BY THE SCHOOL OF EDUCATION

The School of Education offers the following postgraduate programmes:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non - Tanzanians (USD)
1.	Postgraduate Diploma in Education (PGDE)	Coursework and Project Paper	Online	12 months	2,000,000	3,075
2.	Postgraduate Diploma in Education (PGDE)	Coursework and Project Paper	Full-time	12 months	2,600,000	3,075
3.	Master of Arts in Education (MAED)	Coursework and Dissertation or Thesis	Full-time	18 months	3,900,000	4,615
4.	Master of Arts in Education (MAED)	Coursework and Dissertation	Evening	24 months	4,875,000	6,150
5.	Master of Arts in Education (MAED)	Thesis	Full-time	24 months	4,875,000	6,150

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non - Tanzanians (USD)
6.	Master of Education in Applied Social Psychology (MEd ASP)	Coursework and Dissertation	Full-time	24 months	4,875,000	6,150
		Practicum	Full-time	2 months	3,000,000	1,500
7.	Master of Education in Science Education (MEd Science Education)	Coursework and Dissertation	Full-time	18 months	3,900,000	4,615
8.	Master of Education in Curriculum Studies (MEd SC)	Coursework and Dissertation	Full-time	18 months	3,900,000	4,615
9.	Master of Educational Management and Administration (MEMA)	Coursework and Dissertation	Full-time	18 months	3,900,000	4,615
10.	Master of Educational Management and Administration (MEMA)	Coursework and Dissertation	Evening	18 months	3,900,000	4,615
11.	Master of Education in Adult Education and Community Development (MED AECD)	Coursework and Dissertation	Full-time	18 months	3,900,000	4,615
12.	Master of Education in Language Education (MEDLED)	Coursework and Dissertation	Full-time	18 months	3,900,000	4,615
13.	Master of Education in Physical Education and Sport Sciences (MED PESS)	Coursework and Dissertation	Full-time	18 months	3,900,000	4,615
14.	Doctor of Philosophy (PhD) in Education	Thesis	Full-time	36 Months	3,250,000 (per year)	3,075 (per year)
15.	Doctor of Philosophy (PhD) in Education	Thesis	Part-time	60 months	3,250,000 (per year)	3,075 (per year)
16.	Doctor of Philosophy (PhD) in Education	Coursework and Dissertation	Full-time	48 months	3,250,000 (per year)	3,075 (per year)

POSTGRADUATE DIPLOMA IN EDUCATION (PGDE)

1. Introduction

SoED offers Postgraduate Diploma in Education (PGDE) programme through two modes. Regular/Conventional Mode where students are taught face-to-face, and online mode with a face-to-face mode at the middle of the semester or any time as SoED and Centre for Virtual Learning (CVL) may decide. The online programme is run jointly between SoED and CVL.

2. Objectives of the Programme

The Postgraduate Diploma in Education aims at professionalising non-education graduates by training them to become professional teachers. At the end of the programme, the graduates should be able to:

i.   use pedagogical knowledge and skills, didactics and reflective practice in the teaching subject;
ii.   design and carry out an evaluation research particularly one involving improvement of teaching and learning;
iii. identify the needs of different categories of learners and assist them to learn; and
iv.   posses the skills of effective communication and use of teaching and learning media for effective teaching and learning.

3. Entry Requirements

i.   The minimum qualification for admission into PGDE is a bachelor's degree (non-education) with a GPA of 2.7 or above from UDSM or any other institution recognised by TCU.
ii.   A non-education (advanced) Diploma in Education offered by UDSM or any other institution recognised by TCU may also suffice for consideration for admission into PGDE.
iii. SoED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval.

4. Programme Structure

PGDE programme comprises coursework and Teaching Practice (TP). Full-time students shall complete their coursework within the first two semesters of enrolment. Within the third semester, the candidate must submit the independent study report.

Semester	Activities
Semester I	Coursework
Semester II	Coursework
Semester III	Teaching practice and independent study report writing and submission

i.   The credit system shall be used to gauge the workload involved in a programme.
ii.   One credit is equal to learning outcomes achievable in 10 notional hours of learning time determined on the basis of a learner with an average learning speed.
iii. A minimum of 120 credits shall be completed to satisfy the coursework requirement before proceeding to teaching practicum.

5. List of Courses

Part 1: 10 Core courses each 12 credits   132
Part II: at least two electives each 12 credits   24
Total Credits   156

Table 1: Core Courses

Course Code	Course Title	Credits
CT 501	Principles of Curriculum Development and Teaching	12
EP 500	Introduction to Educational Psychology	12
EF 500	Principles of Education	12
FE 502	Research Methods and Data Analysis	12
CT 509	Classroom Interaction and Research	12
CT 512	Didactics	12
EP 503	Assessment and Evaluation	12
EA 500	Management of Education and School Administration	12
CT 513	Practicum	24
FE 599	Independent Study	12
Total		**132**

Elective Courses

Each candidate will be required to select at least two elective courses from the list indicated in Table 2.

Table 2: Electives Courses

Course Code	Course Title	Credits
AE 501	Human Rights Education	12
AE 500	Adult Learning	12
CT 500	Language Education	12
CT 508	Library Education and Information Management.	12
CT 507	Introduction to Entrepreneurial Education	12
EA 502	Administrative & Organisational Behaviour.	12
EA 501	Human Resources Development in Educational Organisations	12
EF 501	Sociology of Education	12
EP 504	Educational Guidance and Counseling	12
PE 501	Theory and Practice of Fitness Promotion	12

6. Programme Evaluation and Examinations

i.   Each course in PGDE programme shall be offered and assessed in the same semester and the grade is awarded.
ii.   The average grade for all postgraduate courses must be at least "B".
iii. A candidate whose GPA is below 2.7 shall be discontinued from the programme.
iv.   A candidate whose overall GPA is 2.7 or above shall be allowed to do supplementary examinations in the failed courses.
v.   The maximum grade that can be attained from supplementary examinations shall be "B".
vi.   Candidates who fail in more than one supplementary examination shall be discontinued from the programme.
vii. A candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.
viii. A candidate who repeats a course and fails in the first sitting examination shall not be allowed to do supplementary examinations, and shall be discontinued from the programme.
ix.   The final examination shall be held immediately upon completing a course. The weighting of this final examination in determining the grade for the course shall be: University Examination (50%)

and Continuous Assessment (50%) except for a course on practicum. The form of assessment shall be specified by respective instructors at the beginning of the course.

x. University guidelines on the preparation of dissertations shall apply.

MASTER'S PROGRAMMES OFFERED BY THE SCHOOL OF EDUCATION
MASTER OF ARTS IN EDUCATION (MA ED) (FULL TIME)

1. Introduction
SoED offers Master of Arts in Education (MA ED) degree programme by thesis as well as by coursework and dissertation.

2. Objectives of the Programme
MA Education programme aims to:
i. raise the level of awareness on issues that face education including curriculum and quality teaching and learning, management and administration, social, comparative and philosophical issues;
ii. develop skills of understanding educational research reports as well as reviewing and critiquing education writings and research reports; and
iii. develop ability of designing, executing and writing educational research projects.

3. Entry Requirements
i. The minimum qualification for admission into MAED is a bachelor's degree in education with a GPA of 2.7 or above from the University of Dar es Salaam or any other institution recognised by TCU.
ii. A Postgraduate Diploma in Education offered by the University of Dar es Salaam School of Education (SoED), or any other institution recognised by TCU may also suffice for consideration for admission into MAED.
iii. SOED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval.

4. Programme Structure
MAED programme is offered in two ways that is by thesis or by coursework and dissertation.

Structure of the Programme

Semester	Activities	
Semester I	Coursework	
Semester II	Coursework and approval of coursework results	
Semester III	Dissertation	
	Period	**Activities**
	August – September	Proposal Development and Approval
	October – November	Field Work
	December	Data Analysis
	January	First Draft
	February 15th	Second Draft
	February 28th/ 29th	Final Draft
	March 1st	Submission
	March 07th – 21st	Presentation at Departmental Level
	March 21st – 31st	Assessment of the Dissertations by IE and EE
	April 1st – 15th	Approval of Dissertation Results
	April 20th	Production of Final Error Free Copy
	April 25th	Final Submission
	May/ December	Graduation

i.   Full-time students shall complete their coursework within the first two semesters of enrolment. Within the third semester, the candidate must submit the spiral and loose bound dissertation ready for presentation at department level and for examination respectively.

ii.   Part-time candidates shall include those pursuing evening programmes to complete their coursework within the first 18 months of enrolment.

iii. The minimum time for the dissertation phase shall be six months.

iv.   The credit system shall be used to gauge the workload involved in a programme.

v.   One credit is equal to learning outcomes achievable in 10 notional hours of learning time determined on the basis of a learner with an average learning speed.

vi.   A minimum of 120 credits shall be completed to satisfy the coursework requirement before proceeding to the dissertation phase, unless otherwise stated. A dissertation shall have 60 credits.

vii. In addition, a candidate may be required to take certain undergraduate courses that are pre-requisites for some postgraduate courses. However, these will not be considered in the final degree evaluation.

5. List of Courses

Part 1: Seven core courses (each 12 credits)	84
Part II: Three electives (each 12 credits)	36
Part III: Dissertation	60
Total	**180**

Table 1: Core Courses

Course Code	Course Title	Credits
FE 600a	Research Methods in Education I	12
FE 600b	Research Methods in Education II	12
EA 621	Policy Planning and Administration	12
CT 640	Curriculum and Teaching	12
EF 621	Comparative Education	12
AE 620	Adult Learning	12
EP 624	Theories of Teaching and Learning	12
FE 699	Dissertation	60
Total		**144**

Each candidate will be required to select **three elective courses** from the list as indicated in Table 2.

Table 2: Elective Courses

Course Code	Course Title	Credits
EA 622	Management of Educational Institutions and Projects	12
EP 622	Social Psychology	12
EP 623	Psychology of Child Development	12
EA 623	Educational Planning and Financing	12
CT 647	Advanced Curriculum Development	12
PE 621	Youth and Sports Development	12
CT 646	Environmental Education	12
AE 621	Open and Distance Learning	12
PE 622	Sports Economics and Marketing	12
EP 624	Theories of Teaching and Learning	12
AE 622	Management and Financing Adult Education	12

6. Programme Evaluation and Examinations

i.   Each course shall be offered and assessed in the same semester and the grade is awarded.
ii.   With an approval of the respective SOED Board, the coursework completed in postgraduate studies at other universities may contribute to the coursework requirements for the MAED degree. The equivalent weighting of this coursework will be determined by the SOED Board in accordance with the University Qualification Framework set by the Tanzania Commission for Universities (TCU).
iii. The average grade for all postgraduate courses must be at least "B".
iv.   A candidate whose GPA is below 2.7 shall be discontinued from the programme.
v.   A candidate whose overall GPA is 2.7 or above, shall be allowed to do supplementary examinations in the failed courses.
vi.   The maximum grade that can be attained from a supplementary examination shall be "B".
vii. Candidates who fail in more than one supplementary examination shall be discontinued from the programme.
viii. A candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.
ix.   A candidate who repeats a course and fails in the first sitting examination shall not be allowed to do supplementary examinations, and shall be discontinued from the programme.
x.   The final examination shall be held immediately upon completing a course. The weighting of this final examination in determining the grade for the course shall be University Examination (50%) and Continuous Assessment (50%). The form of assessment shall be specified by respective instructors at the beginning of the course.
xi.   For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal.
xii. University guidelines on the preparation of dissertations shall apply.

MASTER OF ARTS IN EDUCATION (MA EDUCATION) (EVENING)

The School of Education offers MAED programme by coursework and dissertation in the evening. The aim of the programme is to widen access to residence, Dar es Salaam and neighbouring regions to have a place of study after working hours. Entry requirements, courses, structure, assessment and evaluation, rules and regulations are the same as MAED programme except that the programme is offered in the evening.

MASTER OF EDUCATIONAL MANAGEMENT AND ADMINISTRATION (MEMA)

1. Introduction

SoED offers a Master of Educational Management and Administration (MEMA) programme by thesis or by coursework and dissertation. The MEMA programme aims at training and developing high quality educational managers and administrators that are critically needed to strengthen the ability of the ministry responsible for education, regional/local authorities, higher education institutions and schools to provide the highest quality of education in Tanzania.

2. Objectives of the Programme

MEMA programme aims to train and develop high quality educational managers and administrators that are critically needed to strengthen the ability of national and local educational authorities and schools to provide high quality education in Tanzania.

3. Entry Requirements

i.   The minimum qualification for admission into MEMA is a bachelor's degree in education with a GPA of 2.7 or above from the University of Dar es Salaam or any other institution recognised by TCU.
ii.   A Postgraduate Diploma in Education offered by SOED, or any other institution recognised by TCU may also suffice for consideration for admission into MEMA.
iii. SOED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval.

4. Programme Structure

MEMA programme is delivered by thesis and/or by coursework and dissertation.

Semester	Activities	
Semester I	Coursework	
Semester II	Coursework	
Semester III	Dissertation	
	Period	**Activities**
	August – September	Proposal Development and Approval
	October – November	Field Work
	December	Data Analysis
	January	First Draft
	February 15th	Second Draft
	February 28th/ 29th	Final Draft
	March 1st	Submission
	March 07th – 21st	Presentation at Departmental Level
	March 21st – 31st	Assessment of the Dissertations by IE and EE
	April 1st – 15th	Approval of Dissertation Results
	April 20th	Production of Final Error Free Copy
	April 25th	Final Submission
	May/ December	Graduation

i.   Full-time students shall complete their coursework within the first two semesters of enrolment. Within the third semester, the candidate must submit the spiral and loose bound dissertation ready for presentation at department level and for examination respectively.

ii. Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment.

iii. The minimum time for the dissertation phase shall be six months.

iv. The credit system shall be used to gauge the workload involved in a programme.

v.   One credit is equal to learning outcomes achievable in 10 notional hours of learning time determined on the basis of a learner with an average learning speed.

vi. A minimum of 120 credits shall be completed to satisfy the coursework requirement before proceeding to the dissertation phase unless otherwise stated. A dissertation shall have 60 credits.

vii. In addition, a candidate may be required to take certain undergraduate courses that are pre-requisites for some postgraduate courses. However, one will not be considered in the final degree evaluation.

5. List of Courses

Part 1: Seven core courses (each 12 credits)   84
Part II: Three electives (each 12 credits)   36
Part III: Dissertation   60
Total   **180**

Table 1: Core Courses

Course Code	Course Title	Credits
FE 600a	Research Methods in Education I	12
FE 600b	Research Methods in Education II	12
EA 624	Educational Policy Making and Policy Analysis	12

EA 625	Educational Planning, Programme/Project Design and Evaluation	12
EA 626	Economics of Education and Financing	12
EA 627	Management of Education Systems and Institutions	12
EA 628	Quality Assurance and Control in Education	12
FE 699	Dissertation	60
Total		**144**

Elective Courses
Each candidate will be required to select **three courses** from the list indicated in Table 2.

Table 2: List of Elective Courses

Course Code	Course Title	Credits
EA 629	The Politics of Education	12
EA 630	Education Management Information System (EMIS)	12
EA 631	Organisational Behaviour in Education	12
EA 632	Legal and Ethical Aspects of Education	12
EA 633	Human Resource Management	12
FE 620	Business and Entrepreneurial Education	12

6. Programme Evaluation and Examinations
i.   Each course in MEMA shall be offered and assessed in the same semester and the grade awarded.
ii.   With an approval of the respective SOED Board, the coursework completed in postgraduate studies at other universities may contribute to the coursework requirements for MEMA degree programme. The equivalent weighting of this coursework will be determined by SoED Board in accordance with the University Qualification Framework set by the Tanzania Commission for Universities (TCU).
iii.   The average grade for all postgraduate courses must be at least "B".
iv.   A candidate whose GPA is below 2.7 shall be discontinued from the programme.
v.   A candidate whose overall GPA is 2.7 or above shall be allowed to do supplementary examinations in the failed courses.
vi.   The maximum grade that can be attained from a supplementary examination shall be "B".
vii.   Candidates who fail in more than one supplementary examination shall be discontinued from the programme.
viii.   A candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.
ix.   A candidate who repeats a course and fails in the first sitting examination shall not be allowed to do supplementary examinations, and shall be discontinued from the programme.
    a) The final examination shall be held immediately upon completing a course. The weighting of this final examination in determining the grade for the course shall be University Examination (50%) and Continuous Assessment (50%). The form of assessment shall be specified by respective instructors at the beginning of the course.
    b) For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal.
    c) University guidelines on the preparation of dissertations shall apply.

MASTER OF EDUCATIONAL MANAGEMENT AND ADMINISTRATION (MEMA) (EVENING)
SoED offers MEMA programme by coursework and dissertation in the evening. The aim of the programme is to widen access to residence Dar es Salaam and neighbouring regions to have a place of study after working hours. Entry requirements, courses, structure, assessment and evaluation, rules and regulations are the same as MEMA programme except that the programme is offered in the evening.

MASTER OF EDUCATION IN ADULT EDUCATION AND COMMUNITY DEVELOPMENT (MED-AECD)

1. Introduction

School of Education (SoED) offers a Master of Education in Adult Education and Community Development (MED-AECD) programme by coursework and dissertation. Master of Adult Education and Community Development (MED-AECD) offers the opportunity to study the theoretical and practical dimensions of adult education and community development. The programme equips students with knowledge and skills deemed imperative to work alongside people in communities to initiate and manage sustainable social change. This programme stands at the forefront of research and practice in adult education and community development, both nationally and internationally.

2. Objectives of the Programme

The MED-AECD programme aims at training and developing high quality adult education and community development tutors in higher learning institutions, rural and urban planners, and Adult Education Coordinators/Officers. Further, the programme is dedicated to producing experts such as community development officers, community and social workers, education or training officers for governmental and non-governmental organisations, researchers, and programme/project designers and evaluators.

3. Entry Requirements

A candidate for admission to the Master of Education in Adult Education and Community Development (MED-AECD) degree programme of the School of Education of the University of Dar es Salaam shall hold the following qualifications:

- A GPA of 2.7 and above; and
- A bachelor's degree in one or any combination of the following fields of study: Adult Education, Community Education, Community Development, Sociology, Rural and Urban Planning; or a bachelor's degree in Education (including a Postgraduate Diploma in Education) from a recognised higher learning institution. Other related programmes will be decided and included in the entry qualifications as deemed necessary by the relevant selection organs.

4. Programme Structure

MED-AECD programme is delivered by coursework and dissertation.

Semester	Activities	
Semester I	Coursework	
Semester II	Coursework	
Semester III	Dissertation	
	Period	Activities
	August – September	Proposal development and approval
	October – November	Field Work
	December	Data Analysis
	January	First Draft
	February 15th	Second Draft
	February 28th/ 29th	Final Draft
	March 1st	Submission
	March 07th – 21st	Presentation at departmental level
	March 21st – 31st	Assessment of the dissertations by IE and EE
	April 1st – 15th	Approval of dissertation results

	April 20th	Production of final error free copy
	April 25th	Final Submission
	May/ December	Graduation

i.   Full-time students shall complete their coursework within the first two semesters of enrolment. Within the third semester, the candidate must submit the spiral and loose bound dissertation ready for presentation at department level and for examination respectively.

ii. The minimum time for the dissertation phase shall be six months.

iii. The credit system shall be used to gauge the workload involved in a programme.

iv. One credit is equal to learning outcomes achievable in 10 notional hours of learning time determined on the basis of a learner with an average learning speed.

v.   A minimum of 120 credits shall be completed to satisfy the coursework requirement before proceeding to the dissertation phase unless otherwise stated. A dissertation shall have 60 credits.

vi. In addition, a candidate may be required to take certain undergraduate courses that are pre-requisites for some postgraduate courses. However, one will not be considered in the final degree evaluation.

5. List of Courses

Part 1: Seven core courses (each 12 credits)   84
Part II: Three electives (each 12 credits)   36
Part III: Dissertation   60
Total   **180**

Table 1: Core Courses

Course Code	Course Title	Credits
FE 600a	Research Methods in Education I	12
FE 600b	Research Methods in Education II	12
AE 620	Adult Learning	12
AE 623	Origins and Practices of Community Development	12
AE 625	Programme and Project Management in Adult Education and Community Development	12
AE 628	Inclusive Education, Gender and Development	12
AE 629	Participatory Action Research for Community Workers	12
FE 699	Dissertation	60
Total		**144**

Elective Courses

Each candidate will be required to select **three courses** from the list indicated in Table 2.

Table 2: List of Elective Courses

Course Code	Course Title	Credits
AE 621	Open and Distance Learning	12
AE 622	Management and Financing of Adult Education Programmes	12
AE 624	Perspectives in Comparative and International Adult Education	12
AE 626	Policy Issues in Adult Education and Community Development	12
AE 627	Sociology of Adult Education	12

6.   Programme Evaluation and Examinations

i.   Each course in MED-AECD shall be offered and assessed in the same semester and the grade awarded.

ii. With an approval of the respective SOED Board, the coursework completed in postgraduate studies at other universities may contribute to the coursework requirements for MED-AECD degree

programme. The equivalent weighting of this coursework will be determined by SoED Board in accordance with the University Qualification Framework set by the Tanzania Commission for Universities (TCU).

iii. The average grade for all postgraduate courses must be at least "B".

iv. A candidate whose GPA is below 2.7 shall be discontinued from the programme.

v. A candidate whose overall GPA is 2.7 or above shall be allowed to do supplementary examinations in the failed courses.

vi. The maximum grade that can be attained from a supplementary examination shall be "B".

vii. Candidates who fail in more than one supplementary examination shall be discontinued from the programme.

viii. A candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.

ix. A candidate who repeats a course and fails in the first sitting examination shall not be allowed to do supplementary examinations, and shall be discontinued from the programme.

　　a)　The final examination shall be held immediately upon completing a course. The weighting of this final examination in determining the grade for the course shall be University Examination (50%) and Continuous Assessment (50%). The form of assessment shall be specified by respective instructors at the beginning of the course.

　　b)　For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal.

　　c)　University guidelines on the preparation of dissertations shall apply.

MASTER OF EDUCATION IN APPLIED SOCIAL PSYCHOLOGY (MED ASP)

1. Introduction

SoED offers Master of Education in Applied Social Psychology (MED ASP) degree programme by coursework and dissertation. The programme aims at: training and developing high quality social psychologists that are critically needed to strengthen the psychological wellbeing of children, adolescents/youth, adults, students, teachers and the Tanzanian population at large; providing critical analysis of health behaviours and life styles with the view of improving quality of life; strengthening the link between University of Dar es Salaam and the Tanzanian community; and advancing teaching and quality of research in the socio cultural behavioural fields.

2. Objectives of the Programme

MED (ASP) programme provides training within the context of the scientist-practitioner model to equip professional counsellors and psychotherapists who will be well grounded in psychological principles in an African perspective. The programme prepares students for the counselling profession as well as other psychological interventions, which involves application of developmental and social sciences in assisting clients of all ages and the community at large to attain psychological growth and rid themselves of social adjustment problems. The programme objectives are to:

i. Develop learners' competence in educational and applied social psychology;

ii. Develop learners' research skills for knowledge creation and dissemination in educational and applied social psychology;

iii. Produce trained personnel in educational and applied social psychology; and

iv. Prepare learners for further education in educational and applied social psychology.

3. Entry Requirements

i. The minimum qualification for admission into MED ASP is a bachelor's degree in education or related fields with a GPA OF 2.7 or above from University of Dar es Salaam or any other institution recognised by TCU.

ii. A Postgraduate Diploma in Education offered by SoED, or any other institution recognised by TCU may also suffice for consideration for admission into MAASP.

iii. SoED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval.

4. Programme Structure

MAASP programme comprises thesis or coursework and dissertation.

Semester	Activities	
Semester I	Coursework	
Semester II	Coursework	
Semester III	Practicum to Counseling	
Semester IV	Dissertation	

Period	Activities
August – October	Practicum to Counseling
November	Proposal Development and Approval
December - February	Field Work
March	Data Analysis
April	First Draft
May	Second Draft
June 1st	Final Draft
June 07th – 21st	Submission
June 21st – 31st	Presentation at Departmental Level
July 1st – 15th	Assessment of the Dissertations by IE and EE
July 20th	Approval of Dissertation Results
July 25th	Production of Final Error Free Copy
July 31st	Final Submission
December	Graduation

i.   Full-time students shall complete their coursework within the first two semesters of enrolment. Within the third semester, the candidates must conduct practicum to counseling and submit a report. In the fourth semester the candidate must submit the spiral and loose bound dissertation ready for presentation at department level and for examination respectively.

ii.   Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment.

iii. The minimum time for the dissertation phase shall be six months.

iv.   The credit system shall be used to gauge the workload involved in a programme.

v.   One credit is equal to learning outcomes achievable in 10 notional hours of learning time determined on the basis of a learner with an average learning speed.

vi.   A minimum of 120 credits shall be completed to satisfy the coursework requirement before proceeding to practicum and to the dissertation phase, unless otherwise stated. A dissertation shall have 60 credits.

vii. In addition, a candidate may be required to take certain undergraduate courses that are pre-requisites for some postgraduate courses. However, the candidate will not be considered in the final degree evaluation.

5. List of Courses

Part 1: Seven core courses each 12 credits	84
Part II Three electives each 12 credits	36
Part III Dissertation	60
Total	**80**

Table 1: Core Courses

Course Code	Course Title	Credits
FE 600a	Research Methods in Education I	12
FE 600b	Research Methods in Education II	12
EP 622	Social and Personality Psychology	12
EP 625	General Psychology	12
EP 624	Theories of Teaching and Learning	12
EP 626	Community Guidance and Counseling	12
EP 628	Community Psychology and Mental Health	12
EP 627	Practicum to Counseling	12
FE 699	Dissertation	60
Total	**144**	

Each candidate will be required to select **three elective courses** from the list indicated in the table 2.

Table 2: Elective Courses

Course Code	Course Title	Credits
EP 623	Psychology of Child Development	12
EP 629	Career and Occupational Psychology	12
EP 630	Introduction to Methods of Studying Human Behaviour	12
EP 631	Health Behaviours in Young People	12
EP 612	Psychology of Ageing and Quality of Life	12
EP 613	Gender Psychology	12
PE 622	Sports Economics and Marketing	12

6. Programme Evaluation and Examinations

i.   Each course in MED ASP shall be offered and assessed in the same semester and the grade awarded.

ii.   With an approval of the respective SoED Board, the coursework completed in postgraduate studies in other universities may contribute to the coursework requirements for the MAASP degree. The equivalent weighting of this coursework will be determined by SoED Board in accordance with the University Qualification Framework set by the Tanzania Commission for Universities (TCU).

iii.   The average grade for all postgraduate courses must be at least "B".

iv.   A candidate whose GPA is below 2.7 shall be discontinued from the programme.

v.   A candidate whose overall GPA is 2.7 or above shall be allowed to do supplementary examinations in the failed courses.

vi.   The maximum grade that can be attained from a supplementary examination shall be "B".

vii.   Candidates who fail in more than one supplementary examination shall be discontinued from the programme.

viii. A Candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.

ix.   A candidate who repeats a course and fails in the first sitting examination shall not be allowed to do supplementary examinations, and shall be discontinued from the programme.

x.   The final examination shall be held immediately upon completing a course. The weighting of this final examination in determining the grade for the course shall be University Examination (50%) and Continuous Assessment (50%) except for a course on practicum. The form of assessment shall be specified by respective instructors at the beginning of the course.

xi.   For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal.

xii.   University guidelines on the preparation of dissertations shall apply.

MASTER OF EDUCATION IN SCIENCE EDUCATION (MED SCIENCE EDUCATION)

1. Introduction

SoED offers a Master of Science in Science Education (MEd Sc. Education) by coursework and dissertation. The MEd Sc. Education programme aims at training and developing high quality science teachers and administrators that are critically needed to strengthen the scientific thinking and behaviour among children, adolescents/youth, adults, students, teachers and the Tanzanian population at large.

2. Objectives of the Programme

MEd Science Education programme is designed for experienced graduate teachers of Science, Mathematics, and Technology to upgrade their pedagogical, didactical, research and leadership skills through specialised training. At the end of the programme, MEd Sc. Education student should be able to:

i. develop awareness of current issues and problems in science, mathematics, and technology (SMT) education and find ways of addressing them in the African and Tanzanian context;

ii. develop competence in designing, managing, organising, and running professional development programmes for Science, Mathematics and Technology teachers;

iii. develop leadership skills in managing science departments, organising science fairs, camps and practical work in schools;

iv. develop competence in integrating ICT in the teaching and learning of Science, Mathematics and Technology; and

v. improve professional capabilities in curriculum design, development, research, assessment, and professional development.

3. Entry Requirements

i. The minimum qualification for admission into MEd Sc. Education is a bachelor's degree in education with science subjects with a GPA OF 2.7 or above from UDSM or any other institution recognised by TCU.

ii. A Postgraduate Diploma in Education offered by SoED, or any other institution recognised by TCU may also suffice for consideration for admission into MED Sc. Education.

iii. The SoED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval.

4. Programme Structure

MED Sc. Education programme is offered by coursework and dissertation.

Semester	Activities	
Semester I	Coursework	
Semester II	Coursework	
Semester III	Dissertation	
	Period	**Activities**
	August – September	Proposal Development and Approval
	October – November	Field Work
	December	Data Analysis
	January	First Draft
	February 15th	Second Draft
	February 28th/ 29th	Final Draft
	March 1st	Submission
	March 07th – 21st	Presentation at Departmental Level
	March 21st – 31st	Assessment of the Dissertations by IE and EE
	April 1st – 15th	Approval of Dissertation Results
	April 20th	Production of Final Error Free Copy

	April 25th	Final Submission
	May/ December	Graduation

i.   Full-time students shall complete their coursework within the first two semesters of enrolment. Within the third semester the candidate must submit the spiral and loose bound dissertation ready for presentation at department level and for examination respectively.

ii.   Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment.

iii. The minimum time for the dissertation phase shall be six months.

iv.   The credit system shall be used to gauge the workload involved in a programme.

v.   One credit is equal to learning outcomes achievable in 10 notional hours of learning time determined on the basis of a learner with an average learning speed.

vi.   A minimum of 120 credits shall be completed to satisfy the coursework requirement before proceeding to practicum and to the dissertation phase, unless otherwise stated. A dissertation shall have 60 credits.

vii. In addition, a candidate may be required to take certain undergraduate courses that are pre-requisites for some postgraduate courses. However, will not be considered in the final degree evaluation.

5. List of Courses

Part 1: Seven core courses each 12 credits   84
Part II: Three electives each 12 credits   36
Part III: Dissertation   60
Total   **180**

Table 1: Core Courses

Course Code	Course Title	Credits
FE 600a	Research Methods in Education I	12
FE 600b	Research Methods in Education II	12
CT 640	Curriculum and Teaching	12
CT 641	Curriculum Development in SMT	12
CT 643	Professional Development in SMT	12
CT 644	Assessment of Performance in SMT	12
CT 645	Computer Assisted Learning	12
FE 699	Dissertation	60
Total		**144**

Each candidate will be required to select **three elective courses** from the list indicated in the table 2.

Table 2: Elective Courses

Course Code	Course Title	Credits
CT 602	Social Context in SMT	12
CT 646	Environmental Education	12
EP 624	Theories of Teaching & Learning	12
CT 647	Advanced Curriculum Development	12
AE 621	Open and Distance Learning	12
AE 620	Adult Learning	12

6. Programme Evaluation and Examinations

i. Each course in MED ASP shall be offered and assessed in the same semester and the grade awarded.
ii. With an approval of the respective SoED Board, the coursework completed in postgraduate studies at other universities may contribute to the coursework requirements for the MED ASP degree. The equivalent weighting of this coursework will be determined by SoED Board in accordance with the University Qualification Framework set by the Tanzania Commission for Universities (TCU).
iii. The average grade for all postgraduate courses must be at least "B".
iv. A candidate whose GPA is below 2.7 shall be discontinued from the programme.
v. A candidate whose overall GPA is 2.7 or above shall be allowed to do supplementary examinations in the failed courses.
vi. The maximum grade that can be attained from a supplementary examination shall be "B".
vii. Candidates who fail in more than one supplementary examination shall be discontinued from the programme.
viii. A andidate who fails in only one supplementary examination shall be allowed to repeat the failed course.
ix. A candidate who repeats a course and fails in the first sitting examination shall not be allowed to do supplementary examinations and shall be discontinued from the programme.
x. The final examination shall be held immediately upon completing a course. The weighting of this final examination in determining the grade for the course shall be University Examination (50%) and Continuous Assessment (50%) except for a course on practicum. The form of assessment shall be specified by respective instructors at the beginning of the course.
xi. For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal.
xii. University guidelines on the preparation of dissertations shall apply.

MASTER OF EDUCATION IN CURRICULUM STUDIES (MED CS)
1. Introduction
SOED offers Master of Education in Curriculum Studies (MED CS) programme. This programme aims to offer specialised training in curriculum design and development, curriculum material development, curriculum monitoring and evaluation. The programme design also integrates pedagogical approaches of specialised disciplines including 'minds-on' and 'hands-on' approaches whereby students are exposed to theory and practice.

2. Objectives of the Programme
The overall objective for MEd (CS) degree programme is to equip candidates with theoretical, professional, pedagogical, technological, and practical knowledge and skills in curricula studies for the provision of sustainable quality education in the society. In addition, the programme intends to produce competent and innovative candidates in designing and developing sustainable curricula that afford for inclusion of learners' diversity, integration of global learning needs into the national curriculum, researching on curricular issues, designing and implementing curriculum-based training programmes. The programme seeks to promote employability of school and university graduates in current labour market.

3. Entry requirement
A candidate shall be eligible for admission into MEd (CS) Degree programme if they have one of the following qualifications:
i. First degree in education (e.g. B.A (Ed.), or B. Ed (Arts), B. Sc (Ed.) or B. Ed (Sc.) degrees) from any recognised university with at least a lower second class of GPA of not less than 2.7 or its equivalent OR
ii. A Postgraduate Diploma in Education (PGDE) from any institution recognised by the University with at least a lower second class of GPA of not less than 2.7 or its equivalent.

4. Programme structure
MED CS programme is delivered by thesis and/or coursework and dissertation.

Semester	Activities		
Semester I	Coursework		
Semester II	Coursework		
Semester III	Dissertation		
	Period	**Activities**	
	August – September	Proposal Development and Approval	
	October – November	Field Work	
	December	Data Analysis	
	January	First Draft	
	February 15th	Second Draft	
	February 28th/ 29th	Final Draft	
	March 1st	Submission	
	March 07th – 21st	Presentation at Departmental Level	
	March 21st – 31st	Assessment of the Dissertations by IE and EE	
	April 1st – 15th	Approval of Dissertation Results	
	April 20th	Production of Final Error Free Copy	
	April 25th	Final Submission	
	May/ November	Graduation	

i. Full-time students shall complete their coursework within the first 2 semesters of enrolment. Within the third semester, the candidate must submit the spiral and loose bound dissertation ready for presentation at department level and for examination, respectively.

ii. Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment.

iii. The minimum time for the dissertation phase shall be 6 months.

iv. The credit system shall be used to gauge the workload involved in a programme.

v. One credit is equal to learning outcomes achievable in 10 notional hours of learning time determined on the basis of a learner with an average learning speed.

vi. A minimum of 120 credits shall be completed to satisfy the coursework requirement before proceeding to practicum and to the dissertation phase, unless otherwise stated. A dissertation shall have 60 credits.

vii. In addition, a candidate may be required to take certain undergraduate courses that are pre-requisites for some postgraduate courses. However, will not be considered in the final degree evaluation.

5. List of courses
Semester I: Year 1

Course Code	Course Name	Credits
CT 650	Curriculum Foundations and Theories	12
CT 651	Educational Programme Design and Development	12
CT 652	Curriculum Material Development and Use	12
FE 600a	Research Methods in Education 1	12
CT 656	Curriculum Management and Policy Administration	12
CT 657	Curriculum Development Trends in National and International Context	12
CT 658	Curriculum Policies Development and Analysis	12
CT 659	Curriculum Implementation: Theory into Practice	12
Total		60

Semester II: Year 1

Course Code	Course Name	Credits
CT 653	Pedagogical Perspectives and Approaches	12
CT 654	Technologies in Teaching and Learning	12
CT 655	Classroom Assessment and Evaluation	12
FE 600b	Research Methods in Education 2	12
CT 660	Social Studies Curriculum and Development	12
CT 661	Theoretical and Practical Issues in Science Teaching and Learning	12
CT 662	Mathematics Curriculum Development	12
CT 663	Language and Literacy Education	12
Total		60

Semester I: Year 2

Course Code	Course Name	Credits
FE 699	Dissertation	60
Total		60

6. Programme Evaluation and Examinations

Each course in MED CS shall be offered and assessed in the same semester and the grade awarded.

i.   With an approval of the respective SOED Board, the coursework completed in postgraduate studies at other universities may contribute to the coursework requirements for MED SC degree programme. The equivalent weighting of this coursework will be determined by SoED Board in accordance with the University Qualification Framework set by the Tanzania Commission for Universities (TCU).

ii.   The average grade for all postgraduate courses must be at least "B".

iii. A candidate whose GPA is below 2.7 shall be discontinued from the programme.

iv.   A candidate whose overall GPA is 2.7 or above shall be allowed to do supplementary examinations in the failed courses.

v.   The maximum grade that can be attained from a supplementary examination shall be "B".

vi.   Candidates who fail in more than one supplementary examination shall be discontinued from the programme.

vii. A candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.

viii. A candidate who repeats a course and fails in the first sitting examination shall not be allowed to do supplementary examinations, and shall be discontinued from the programme.

ix.   The final examination shall be held immediately upon completing a course. The weighting of this final examination in determining the grade for the course shall be University Examination (50%) and Continuous Assessment (50%). The form of assessment shall be specified by respective instructors at the beginning of the course.

x.   For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal.

xi.   University guidelines on the preparation of dissertations shall apply.

MASTER OF EDUCATION IN LANGUAGE EDUCATION (MED LED)

1. Introduction

SoED also offers Master of Education in Language Education (MED LED) degree programme by coursework and dissertation. MED LED programme aims at training and developing high quality language teachers.

2. Objectives of the Programme

The main objective of MEDLED programme is to prepare specialists in language education who will demonstrate knowledge, skills, values and abilities in preparing language teacher trainers and conduct research projects that address problems associated with language in education in Africa, and Tanzania in particular. The programme intends to benefit education stakeholders dealing with language of instruction, language teaching and learning.

3. Entry Requirements

i.   The minimum qualification for admission into MED LED is a bachelor's degree in education with a background in language subjects with a GPA OF 2.7 or above from UDSM or any other institution recognised by TCU.

ii.   A Postgraduate Diploma in Education offered by SoED, or any other institution recognised by TCU may also suffice for consideration for admission into MED LED.

iii. SoED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval.

4. Programme Structure

MED LED programme is delivered by thesis and/or coursework and dissertation.

Semester	Activities	
Semester I	Coursework	
Semester II	Coursework	
Semester III	Dissertation	
	Period	**Activities**
	August – September	Proposal Development and Approval
	October – November	Field Work
	December	Data Analysis
	January	First Draft
	February 15th	Second Draft
	February 28th/ 29th	Final Draft
	March 1st	Submission
	March 07th – 21st	Presentation at Departmental Level
	March 21st – 31st	Assessment of the Dissertations by IE and EE
	April 1st – 15th	Approval of Dissertation Results
	April 20th	Production of Final Error Free Copy
	April 25th	Final Submission
	May/ December	Graduation

i.   Full-time students shall complete their coursework within the first two semesters of enrolment. Within the third semester, the candidate must submit the spiral and loose bound dissertation ready for presentation at department level and for examination, respectively.

ii.   Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment.

iii. The minimum time for the dissertation phase shall be six months.

iv.   The credit system shall be used to gauge the workload involved in a programme.

v.   One credit is equal to learning outcomes achievable in 10 notional hours of learning time determined on the basis of a learner with an average learning speed.

vi. A minimum of 120 credits shall be completed to satisfy the coursework requirement before proceeding to practicum and to the dissertation phase, unless otherwise stated. A dissertation shall have 60 credits.

vii. In addition, a candidate may be required to take certain undergraduate courses that are pre-requisites for some postgraduate courses. However, will not be considered in the final degree evaluation.

5. List of Courses

Part 1: 10 Core courses (each 12 credits)   120
Part II: Electives: (each 12 credits)   00
Part III: Dissertation   60
Total   **180**

Table 1: Core Courses

Course Code	Course Title	Credits
FE 600a	Research Methods in Education	12
FE 600b	Research Methods in Education	12
CT 640	Curriculum and Teaching	12
CT 620	Theories and Practice of Language Teaching and Learning	12
CT 621	Advanced Language Teaching Methods	12
CT 622	Evaluation and Analysis of Language Teacher Training and Professional Development	12
CT 623	Language Education Policy	12
CT 624	Issues in Language Curriculum Design	12
CT 625	Production and Evaluation of Language Teaching and Learning Materials	12
CT 628	Early Years Language Teaching and Literacy Development	12
FE 699	Dissertation	60
Total		**180**

Each candidate will be required to select elective courses from the list indicated in Table 2.

Table 2: Electives Courses

Course Code	Course Title	Credits
CT 626	Researching Tanzanian Languages for Education development	12
CT 647	Advanced Curriculum Development	12
CT 629	Multilingual Education	12
CT 627	Language of instruction Policy	12

6. Programme Evaluation and Examinations

Each course in MED LED programme shall be offered and assessed in the same semester and a grade awarded.

i. With an approval of the respective SoED Board, the coursework completed in postgraduate studies at other universities may contribute to the coursework requirements for the MED LED degree programme. The equivalent weighting of this coursework will be determined by SoED Board in accordance with the University Qualification Framework set by the Tanzania Commission for Universities (TCU).

ii. The average grade for all postgraduate courses must be at least "B".

iii. A candidate whose GPA is below 2.7 shall be discontinued from the programme.

iv. A candidate whose overall GPA is 2.7 or above shall be allowed to do supplementary examinations in the failed courses.

v. The maximum grade that can be attained from a supplementary examination shall be "B."

vi. Candidates who fail in more than one supplementary examination shall be discontinued from the programme.

vii. A candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.

viii. A candidate who repeats a course and fails in the first sitting examination shall not be allowed to do supplementary examinations, and shall be discontinued from the programme.

ix. The final examination shall be held immediately upon completing a course. The weighting of this final examination in determining the grade for the course shall be University Examination (50%) and Continuous Assessment (50%) except for a course on practicum. The form of assessment shall be specified by respective instructors at the beginning of the course.

x. For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal.

xi. University guidelines on the preparation of dissertations shall apply.

MASTER OF EDUCATION IN PHYSICAL EDUCATION AND SPORT SCIENCES (MED PESS)

1. Introduction

SoED offers a Master of Education in Physical Education and Sport Sciences (MED PESS) by coursework and dissertation. The Master of Education in Physical Education and Sport Sciences (MED-PESS) training provides an opportunity to a candidate to pursue a body of knowledge and experience to enable them to develop perspectives and research projects that eventually contribute to a repertoire of wide knowledge and practice useful for improvement of human life. Training in a master of Education in Physical Education and Sport Sciences will help learners be competent in teaching PE and sport sciences at different levels and also help those who will be working in the sport industry as sport administrators and coaches.

2. Objectives of the Programme

The objectives of the programme are to:

i. Produce post graduates with knowledge, skills and attitudes in physical education and sport sciences;

ii. Equip students with research techniques in physical education and sport sciences;

iii. Train personnel in physical education and sport sciences;

iv. Advance the programme participants in research approaches and skills to enable them to undertake well-based research into a variety of physical education and sports issues and problems; and

v. Prepare learners for further education in physical education and sport sciences and increase competence in related fields.

3. Entry Requirements

i. The minimum qualification for admission into MED PESS is a bachelor's degree in education with a background in sports and science subjects with a GPA of 2.7 or above from UDSM or any other institution recognised by TCU.

ii. A Postgraduate Diploma in Education offered by SoED, or any other institution recognised by TCU may also suffice for consideration for admission into MED PESS.

iii. The SoED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval.

4. Programme Structure

MED PESS programme comprises coursework and dissertation. Full-time students shall complete their coursework within the first two semesters of enrolment. Within the third, semester the candidate must

submit the spiral and loose bound dissertation ready for presentation at department level and for examination respectively.

Semester	Activities	
I	Coursework	
II	Coursework	
III	Dissertation	
	Period	**Activities**
	August – September	Proposal Development and Approval
	October – November	Field Work
	December	Data Analysis
	January	First Draft
	February 15th	Second Draft
	February 28th/ 29th	Final Draft
	March 1st	Submission
	March 07th – 21st	Presentation at Departmental Level
	March 21st – 31st	Assessment of the Dissertations by IE and EE
	April 1st – 15th	Approval of Dissertation Results
	April 20th	Production of Final Error Free Copy
	April 25th	Final Submission
	May/December	Graduation

i.   Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment.
ii.   The minimum time for the dissertation phase shall be six months.
iii. The credit system shall be used to gauge the workload involved in a programme.
iv.   One credit is equal to learning outcomes achievable in 10 notional hours of learning time determined on the basis of a learner with an average learning speed.
v.   A minimum of 120 credits shall be completed to satisfy the coursework requirement before proceeding to practicum and to the dissertation phase, unless otherwise stated. A dissertation shall have 60 credits.
vi.   In addition, a candidate may be required to take certain undergraduate courses that are pre-requisites for some postgraduate courses. However, one will not be considered in the final degree evaluation.

5. List of Courses
Part 1: Eight core courses each 12 credits   96
Part II: Two electives each 12 credits   24
Part III: Dissertation   60
Total Credits   180

Table 1: Core Courses

Course Code	Course Title	Credits
PE 600	Research Methods in Exercise and Sports Sciences	12
PE 611	Leadership and Management in Physical Education and Sports	12
PE 604	Scientific Principles of Sports Training	12
PE 609	Professional Preparation and Curriculum Design in Physical Education and Sport	12
PE 622	Sports Economics and Marketing	12
PE 603	Legal and Ethical Aspects in Physical Education and Sports	12
PE 608	Physical Education and Sports for Special Populations	12

PE 613	Sport and Exercise Psychology	12
SE 699	Dissertation	60
Total		**156**

Each candidate will be required to select **two elective courses** from the list indicated in the table 2.

Table 2: Elective Courses

Course Code	**Course Title**	**Credits**
PE 605	Sports Safety, Injury Management and Rehabilitation	12
PE 607	Pedagogy of Physical Education and Sports	12
PE 606	Sociology of Physical Education and Sports	12
PE 621	Youth and Sports Development	12

6. Programme Evaluation and Examinations
i. Each course in MED PESS programme shall be offered and assessed in the same semester and the grade awarded.
ii. With an approval of the respective SoED Board, the coursework completed in postgraduate studies at other universities may contribute to the coursework requirements for the MED PESS degree programme. The equivalent weighting of this coursework will be determined by SoED Board in accordance with the University Qualification Framework set by the Tanzania Commission for Universities (TCU).
iii. The average grade/Pass for all postgraduate courses must be at least "B".
iv. A candidate whose GPA is below 2.7 shall be discontinued from the programme.
v. A candidate whose overall GPA is 2.7 or above shall be allowed to do supplementary examinations in the failed courses.
vi. The maximum grade that can be attained from a supplementary examination shall be "B".
vii. Candidates who fail in more than one supplementary examination shall be discontinued from the programme.
viii. A candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.
ix. A candidate who repeats a course and fails in the first sitting examination shall not be allowed to do supplementary examinations, and shall be discontinued from the programme.
x. The final examination shall be held immediately upon completing a course. The weighting of this final examination in determining the grade for the course shall be University Examination (50%) and Continuous Assessment (50%_ except for a course on practicum. The form of assessment shall be specified by respective instructors at the beginning of the course.
xi. For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal.
xii. University guidelines on the preparation of dissertations shall apply.

PHD PROGRAMMES OFFERED BY THE SCHOOL OF EDUCATION

DOCTOR OF PHILOSOPHY IN EDUCATION BY THESIS AND BY COURSEWORK AND DISSERTATION
1. Introduction
The School of Education offers a PhD in Education by thesis as well as by coursework and dissertation. The PhD in Education at SoED aims at exposing the advanced postgraduate (doctoral) students to a strong theoretical foundation to enable them to enquire into and interrogate the whats, whys and hows of educational policy and practice in society; grounding the programme participants in research approaches and skills to enable them to undertake well-based research into a variety of educational issues and problems. The programme will also enable the participants to acquire pertinent skills in data analysis that will facilitate the writing of informative research reports that can guide public policy and pedagogical practice; preparing and producing individuals for advanced intellectual service within institutions of higher learning - universities and university colleges - in Tanzania and beyond, which are currently (and will for the foreseeable future remain) short of teaching and research staff for various programmes in the field of education; providing a framework within which students can conduct a piece of original

educational research relating to their own experience and interests; developing fully trained and competent educational researchers, who are able to understand and use research techniques appropriate to their subject area and to be conversant with the approaches used by other social scientists; enabling students to think through how they can use their existing knowledge and skills in different contexts and apply them to a variety of problems; and, progressively, to identify their own needs for training; and equipping students to pursue other professional research activities subsequently.

2. Objectives of the Programme

The PhD programme at the School of Education aims at:
i. enabling participants to acquire pertinent skills in data analysis that will facilitate the writing of informative research reports that can guide public policy and pedagogical practice;
ii. preparing and producing individuals for advanced intellectual service within institutions of higher learning - universities and university colleges - in Tanzania and beyond, which are in need of teaching and research staff for various programmes in the field of education;
iii. providing a framework within which students can conduct a piece of original educational research relating to their own experience and interests;
iv. developing fully trained and competent educational researchers who are able to understand and use research techniques appropriate to their subject area and to be conversant with the approaches used by other social scientists and
v. enabling students to think through how they can use their existing knowledge and skills in different contexts and apply them to a variety of problems; and, progressively, to identify their own needs for training and equipping students to pursue other professional research activities subsequently.

3. Entry Requirements

i. A candidate for admission to the PhD in Education at SoED must hold a Bachelor (with a GPA of 3.5 or above from the University of Dar es Salaam or any other higher learning institution recognised by TCU) and a Master (with a GPA of 4.0 or above from UDSM or any other higher learning institution recognised by TCU) degrees in Education from the University of Dar es Salaam or of any other institution recognised by TCU.
ii. Candidates who possess a relevant first class in a Bachelor in Education may be considered for PhD registration after initially registering for the master's degree (thesis), and demonstrating outstanding performance after doing postgraduate training for at least one year, upon recommendations of SoED Postgraduate Studies and Research (Higher Degrees) Committee and authorisation by Senate.

4. Programme Structure (By Coursework and Dissertation)

The PhD in Education by thesis degree programme involves a minimum of three years for full-time candidates, or five years for part-time registered candidates. The PhD in Education by Coursework and Dissertation degree programme involves a minimum of four years for full-time candidates, or six years for part-time registered candidates.

Semester	Activities
Semester I	Coursework
Semester II	Coursework and Approval; Preparation of Comprehensive Examination (CE) questions and composition of CE panels
Semester III	Comprehensive Examination and approval
Semester IV	Dissertation phase: - Assigning a research supervisor - Proposal writing and approval at Department and School levels - Research clearance
Semester V	Dissertation phase: - Field work/data collection
Semester VI	Dissertation phase: - Data analysis - Report writing - Writing and submission of a journal paper

Semester VII	Dissertation phase:
	- Submission of first and final draft of a dissertation
	- Filling in intention to submit forms
	- Submission of dissertation for internal and external examination
Semester VIII	Dissertation phase:
	- Viva Voce Graduation

The PhD in Education by Coursework and Dissertation degree programme has several specialisations in education as it appears in the table of courses.

5. Comprehensive Examination

i. At the end of the coursework part, candidates shall be required to do a comprehensive examination as prescribed by the School of Education before they can be allowed to proceed to the dissertation phase.
ii. A comprehensive examination shall mean a specific type of examination aimed at examining the candidate's broad philosophical and conceptual understanding of the subject area as well as the capacity to develop and communicate logical arguments.
iii. The comprehensive examination shall be administered after the candidate has the coursework part, but prior to embarking on the dissertation part and shall have the following features:
   a) The examination of the candidate's broad philosophical and conceptual understanding of the subject area, as well as the capacity to develop and communicate logical arguments.
   b) It shall be both oral and written and shall be assessed on a pass or fail basis.
   c) The oral comprehensive examinations shall not take more than three hours.

iv. A comprehensive examination shall be judged by a panel of experts in the relevant field who possess a PhD. The panel should be constituted by the Principal/Dean/Director in consultation with Heads of Departments and shall have an odd number of members i.e. 3 or 5. The most senior member shall chair the panel.
v. A candidate who fails a comprehensive examination shall be required to take another comprehensive examination as recommended by the examination panel.

6. List of Courses

Part 1: Four core courses each 24 credits   96
Part II: Four specialised courses   96
Part III: Two electives each 12 credits   48
Part IV: Comprehensive Exam   00 (Pass/fail)
Part III: Dissertation   480
Total   720

List of All Courses

Course Title	Code	Credits
Core Courses		
Educational Research: Philosophy and Practice	SE 700	24
Principles of Academic Writing and Dissemination	SE 701	24
Advanced Quantitative Research Methods in Education	SE 702	24
Advanced Qualitative Research Methods in Education	SE 703	24
Specialised Courses		
ADULT AND COMMUNITY EDUCATION		
Theories, Policy and Practices in Lifelong Learning	SE 710	24
Adult Education and Globalisation	SE 711	24
Media Technology and Tutoring in Distance Learning	SE 712	24
CURRICULUM AND TEACHING		
Assessment of Learning and Learning Outcomes	SE 720	24
History and Philosophy of Teaching and Learning of Science Education	SE 721	24

Curriculum Development and Implementation	SE 722	24
Curriculum Evaluation	SE 723	24
Curriculum and Instruction in Education	SE 724	24
LANGUAGE EDUCATION		
Theories, Policy and Practices in Language Education	SE 725	24
Contemporary issues in Language Education	SE 726	24
Issues in Language Teaching	SE 727	24
Language in Education in Africa	SE 728	24
Advancing Literacy in Higher Education (Elective)	SE 729	24
Language Testing (Elective)	SE 790	24
EDUCATIONAL MANAGEMENT AND POLICY STUDIES		
Educational Leadership and Management of Change	SE 730	24
Education Policies and Practices in a Global Society	SE 731	24
Financial Management in Education	SE 732	24
EDUCATIONAL FOUNDATIONS		
Historical Development and Challenges of Education Systems in Tanzania and Beyond	SE 740	24
Philosophical Foundations in Educational Practices	SE 741	24
Ethical Issues in Education	SE 742	24
Comparative and International Education	SE 743	24
EDUCATIONAL PSYCHOLOGY		
Issues in the Psychology of Teaching and Learning	SE 750	24
Abnormal Psychology	SE 751	24
Issues in Inclusive Education and Gender	SE 752	24
Principles, Issues and Application of Psychological Testing	SE 753	24
EDUCATIONAL GUIDANCE AND COUNSELING		
Theories of Counseling	SE 760	24
Advanced Methods and Skills of Counseling	SE 761	24
Counseling and Culture	SE 762	24
PHYSICAL EDUCATION AND SPORTS SCIENCES		
Issues in Physical Education and Sports	SE 770	24
Management and Administration of Physical Education and Sport	SE 771	24
Behaviour in Physical Education and Sport	SE 772	24
YOUTH, GENDER, EDUCATION AND DEVELOPMENT		
Youth and Young Adults Studies and Education (Core)	SE 780	24
Vocational Education and Training for Youth Skills Development and Employment (Core)	SE 781	24
Gender, Education and Development (Core)	SE 782	24
Contemporary Issues in Education and Youth (Elective)	SE 783	24
Elective Courses (to be studied elsewhere within the University or outside)	XXX	24
EARLY CHILDHOOD DEVELOPMENT AND EDUCATION (ECDE)		
Curriculum Design and Instruction in Early Childhood Education	SE 784	24
Early Childhood Development and Learning: Theories and Practices	SE 785	24
Contemporary Issues in Early Childhood Development and Learning	SE786	24
Designing, Monitoring and Evaluating Early Childhood Development and Educational Interventions	SE 787	24
Early Childhood Care, Development and Education Project (Electiuve)	SE 788	24

SoED STAFF LIST
Office of the Dean
Senior Lecturer and Dean
E. J. Kafanabo, Dip, (Klerruu), BSc (Dar), MSc (Twente), PhD (Pretoria)

Lecturer and Coordinator of Postgraduate Studies
A. P. Tarmo, BEd, MED (Dar), PhD (Sussex)

Lecturer and Coordinator of Undergraduate Studies
H. A. Anania, Dip (Mpwapwa), BEd, MEMA (Dar), PhD (Nottingham)

Lecturer and Coordinator of Teaching Practice
I. Nzima, BAEd, PGD, MA (Dar), PhD (Linnaeus)

Office Management Secretary I and Secretary to the Dean
E. C. Ngaiza, Secretarial Course, Cert (TPSC), Cert (Dar), Dip (Tanzania Public Service College)

Secretary II and Secretary to the Coordinator of Postgraduate Studies
A. D. Nyaulingo – Cert (Iringa), Cert (NILA), Dip (Mbeya)

Office Management Secretary III and Secretary to the Coordinator of Teaching Practice
Z. K. Gaitan, Dip (Tabora), MDEA (1 & 2) (Tanzania Public Service College)

Secretary I and Secretary to the Coordinator Center for Research and Professional Development
Z. K. Gaitan, Dip (Tabora), MDEA (1 & 2) (Tanzania Public Service College)

Administrative Officer
E. Maduhu, BPA (Morogoro), PGD (TZ-Mozambique Centre for International Relations), MHRM (Mzumbe)

Higher Clerical Officer
M. Juma, BBA (OUT), MBA (Dar)

System Administrator
G. Itebuka, BDIT (KIU)

Accountant
R. M. Mkemwa, AdvDip (CBE), CPA (NBAA)

Supplies Officer
E. Kiwenge, CSEE (Soni Seminary), Accounting Technician II (ATEC II) (NBAA), Adv Dip (ADA) (IAA)

Librarian
M. Sirayi, Cert, Dip (Bagamoyo), Bachelor (OUT)

Office Attendants
A. Rashid, Cert (TPSC), Dip (Dar).
M. Mtitu, CSEE (Kenton Mwenge Secondary School), Cert (Dar)

Department of Educational Psychology and Curriculum Studies
Senior Lecturer and Head of Department
A. P. Tarmo, BEd, MEd (Dar), PhD (Sussex)

Office Management Secretary III and Secretary to the Head - EPCS
J. J. Kyebeleka, Cert, Dip (Dar)

Associate Professors
A. S. Mbise, BAEd, MA (Dar), MA (Columbia), PhD (Alberta)
***M. K. Possi, Dip, BAEd, MA (Dar), MA (Ball State), PhD (Ohio State), Post Doc (Harvard)
***K. A. K. Mkumbo, BSc, MA (Dar), PhD (Southampton)

Senior Lecturers
E. J. Kafanabo Dip (Klerruu TC), BSc (Dar), MSc (Twente), PhD (Pretoria)
**S. Kitta, BEd, MA, MSc, PhD (Twente)
M. Vuzo, BAEd (Dar), MPhil, PhD (Oslo)
J. K. Katabaro, Dip (Dar), BEd, MA (Dar), PhD (Cambridge)
S. E. Kisanga, Dip (Korogwe), BEd, MA (Dar), PhD (Nottingham Trent)
A. P. Tarmo, BEd, MEd (Dar), PhD (Sussex)
R. Shukia, Dip (Mpwapwa), BEd , MAASP (Dar), PhD (Linnaeus)
J. Abdallah, BEd, MA, Phd (Dar)
C. Mauki, BAEd, MAASP (Dar), PhD (Pretoria)

Lecturers
W. O. Maro, Dip (Dar), BEd, MEd (Dar), PhD (Southampton)
***V.N. Anney, Dip, BEd, MEd (Dar), PhD (Waikato)
I. Nzima, BA, PGDE, MA (Dar), PhD (Linnaeus)
A. Kimaro, Dip (Mpwapwa), BEd, MA (Dar), PhD (SG)
J. Mkongo, BEd, MAASP (Dar), PhD (Munich)
B. Rushahu, BEd, MA (Dar), PhD (Oldenburg)
S. Lyakurwa, BEd, MAASP (Dar), PhD (Oslo)
E. K. S. Gwajima BAEd, MA (Dar), PhD (Edinburgh)
L. Morwo, Bed, MED, Phd (Dar)
L. S. Sanga, Dip (Morogoro), BEd, MA, PhD (Dar)

Assistant Lecturers
*B. Kayombo, BEd, MAASP (Dar)
*G. Emmanuel, BAEd, MA (Dar).
*N. Ndunguru, Dip (Morogoro), BEd, MAASP (Dar)
H. S. Mwinyikondo, BEd, MAASP (Dar)
E. D. Mollel, BEd, MAASP (Dar)
B. Mbata, BSc, MEd (Dar)
G. P. Hoza, BEd, MAASP (Dar)
N. E. Nanai, BAEd, MEd (Dar)
M. G. Saragu, BEd, MA (Dar)
J. A. Nkwamah, BSc, MEd (Dar)
I. Charles, BEd, MA (Dar)
D. Marandu, VETA (Morogoro), BEd, MA (Dar)
A. J. Lyimo, BEd, MA (Dar)
L. E. Nzali, BEd, MEd (Dar)
M. H. Mudhihir, BEd, MA (Dar)
E. Kitenge, BEd), MA (Dar)
S. J. Marobo, BEd, MA (Dar)
E. J. Mapunda, BAEd, MED (Dar)
R. K. Mzamiru, BSc, MEd (Dar)

Technician
J. J. Artha, Dip (Mbeya)

Primary School Teachers
R. M. Mahendeka, Dip (Murutunguru)

F. D. Mabada, Cert (Bunda)
F. H. Lupogo, Cert (Nachingwea)
L. S. Burchard, Cert (Katoke), BEd (Dar)
K. M. Mrisho, Cert (Ilonga)
F. Karara, Cert (Ilonga), BAEd (St John's)
M. J. Lazaro, Cert (Kasulu)
M. K. Mbwambo, Cert (Mhonda)
C. S. Chunga, Cert (Mpwapwa)
P. S. Kariba, Cert. Edu Gr (Ndala)
S. M. Masero, Cert (Ekernford), Cert(DIT)
R. L. Kisusi, Cert (Murutunguru), BAEd (St John's)
D. P. Mutalemwa,   Cert (Mtwara), BA (OUT)
M. A. Nussura, Cert (Kitangali), Dip (ADEM)

Mlimani Pre-School
H. K. F. Mponji, Dip (Marangu), BAEd, MA (Dar)
M. Anicet, Cert (Tabora), Cert (St. Mary's TC) Dip (Patandi)
S. J. Ibrahim, Cer (Kinampanda), BAEd (Dar)
*B. Komu, Cert. PA, Cert. ECD (Dar), Cert (Nachingwea)
E. Stephen, Cert(Dar)
H. C. Mwita, Dip (Morogoro), BEd (Dar)

Department of Educational Foundations, Management and Lifelong Learning
Associate Professor and Head
G. L. Kahangwa, Cert (Korogwe), BAEd, MA (Dar). PhD (Bristol)

Secretary to the Head
M. D. Mundekesye, Cert, Dip (TPSC)

Professors Emeriti
A. G. Ishumi, BA (EA), MA (Harvard), PhD (Dar)
J. C. J. Galabawa, BSc, MA (Dar), MSc (The Hague), PhD (Alberta)

Professor
W. A. L. Anangisye, BAEd, MA (Dar), PhD (Edinburg)

Associate Professors
V. M. Mlekwa, Dip (IAE), BEd, MA (Dar), PhD (Alberta)
E. P. Bhalalusesa, Dip (IEA), BEd., MA (Dar), EdD (Bristol)
G. L. Kahangwa, Cert (Korogwe), BAEd, MA (Dar). PhD (Bristol)

Senior Lecturers
H. A. Dachi, BAEd, MA (Dar), PhD (Bristol)
J. M. Ishengoma, BAEd, MA (Dar), PhD (New York)
***A. Komba, Dip (Kleruu), BEd, MA (Dar), PhD (Bath)
B. K. Kanukisya, Cert (Tukuyu), Cert (Vikindu), Dip (Mtwara), BEd (Dar), MPhil CIE, PhD (Oslo)
N. L. Mgonda, Dip (Korogwe), BEd, MA (Dar), PhD (Leipzig)
***P. L. Sanga, Dip, BEd, MA (Dar), PhD (Hanyang)
N. L. Mgonda, Dip (Korogwe TC), BEd, MA (Dar), PhD (Leipzig)
R. M. Boniface, BEd, MEMA (Dar), PhD (Linnaeus)
F. M. Matiba, Dip (Butimba), BEd, MA, PhD (Dar)
G. H. Shirima, BEd, MEMA (Dar), PhD (Bielefeld)
L. Mahai, Dip, (Morogoro), BEd, MA (Dar) PhD (Edinburgh)

M. J. D. Mwaikokesya, Dip (IAE), BEd, MA (Dar), PhD (Glasgow)
M. A. Mislay, Dip (Marangu), BAEd, MEMA (Dar), PhD (Massey)

Lecturers
A. N. Kamando, Cert (Mandaka), Dip (IAE), BEd (ADE), MA (Dar), PhD (Glasgow)
A. M. Sarakikya, Dip (Monduli), BAEd, MA (Dar), PhD (Pretoria)
H. J. Magosho, BEd, MA (Dar), PhD (East China Normal University)
***M. Matonya, Dip., (Morogoro), BEd, MA (Dar), PD (Jyvaskyla)
T. Ndeskoi, Dip (Marangu), BAEd, MA, PhD (Dar)
B. T. Mbughi, BEd, MA (Dar), PhD (Munich)
Y. S. William, BEd, MEMA (Dar), PhD (Southampton)
J. C. Pesambili, BAEd, MA (Dar), PhD (Sussex)
P. S. Ngalomba, BEd, MEMA (Dar), PhD (Kenyatta)
A. Anania, Dip (Mpwapwa), BEd, MEMA (Dar), PhD (Nottingham)
R. K. Hyera, Dip (Korogwe), BEd, MA, Phd (Dar)
N. J. Mtawa, BEd, MEd (Western Cape), PhD (Free State))

Assistant Lecturers
*J. L. Bachilula, BEd, MEMA (Dar)
*D. N. Masima, BAEd (Dodoma), MEMA (Dar)
*D.D. Masebo, BAEd, MA (Dar)
*E. K. Mutoka, BAEd, MA (Dar)
*M. Mgeni, Dip (Morogoro), BAEd, MA (Dar)
*J. L. Mathew, BEd, MA (Dar)
A. M. Chagula, BEd, MEMA (Dar)
M. Mwagu, BAEd (Jordan), MAEd (Mzumbe)

Department of Physical Education and Sport Sciences
Lecturer and Head of Department
J. S. Ndabi, Dip-Ed (Dar TC), BEd, MED Sc (Dar), PhD (Essex)

Administrative Assistant I and Secretary to the Head
J. A. Mshana, Dip (Dar)

Senior Lecturers
S. N. Mabagala, BEd, MAEd (Dar), PhD (Kenya)
C. N. Maro, BEd (Dar), MSc, Dip, PhD (Oslo)

Lecturers
J. B. Tiboroha, BEd (Dar), MSc Oslo), PhD (Dar)
D. J. Marwa, Dip-Ed (Marangu), BEd (PESC), MAED (Dar), PhD (Dar)
J. S. Ndabi, Dip-Ed (Dar TC), BEd, MED Sc (Dar), PhD (Essex)
I. N. Pangani, Dip-Ed. (Monduli), BEd (PESC), MED Sc (Dar), PhD (Kenya)
J. D. Kazungu, Dip (Morogoro), BEd (PESC), MAED (Dar) PhD (Sweden)

Assistant Lecturers
 *J. Siayi, BEd, MAED (Dar)
 *J. Mlay, BEd, MAASP (Dar), MPhil SEN (Oslo)
 *A. Shao, BEd, MAED (Dar)
*A. Y. Simwanza, BEd, MAED (Dar)

*D. C. Msabila, BEd, MED (Dar)
P. J. Materu, BEd, MED (Dar)

Technical Staff
D. Vicent, Cert, Dip (Dar)
N. Kiunsi, Dip (Monduli), Dip (Hungary), BEd (Dar), MAED- (Dar)
*A. K. Kimaro, BEd (Dar)
F. E. Sintau, BEd (Dar)
H. Gurumo, Cert (Dar)
C. M. Kaundi, Cert (Dar)

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* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

INTRODUCTION
The School of Journalism and Mass Communication (SJMC) was born out of the former Tanzania School of Journalism (TSJ). It was established initially as the Institute of Journalism and Mass Communication (IJMC) under the UDSM Act No. 12 of 1970, which accordingly, revoked the TSJ Act. The IJMC was then reconstituted as a professional school to become the SJMC. The integration into the UDSM enabled the School to start offering degree programmes in Journalism, Mass Communication, and Public Relations and Advertising at both the undergraduate and postgraduate levels.

PROGRAMMES OFFERED BY THE SCHOOL
The SJMC offers a Postgraduate Diploma and an MA in Mass Communication, and a PhD in Journalism and Mass Communication (by thesis).

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non-Tanzanian (USD)
1	Postgraduate Diploma in Mass Communication	Coursework and Report	Full-time	12 months	2,600,000	3,360
2	Postgraduate Diploma in Mass Communication	Coursework and Report	Evening	18 months	3,900,000	4,965
3	Master of Arts in Mass Communication	Coursework and Dissertation	Full-time	18 months	3,900,000	4,965
4	Master of Arts in Mass Communication	Thesis	Full-time	24 months	5,000,000	6,625
5	Doctor of Philosophy in Journalism and Mass Communication	Thesis	Full-time	36 months	2,700,000 per year	3,360 per year
			Part-time	60 months		

POSTGRADUATE DIPLOMA OFFERED BY THE SCHOOL
1. Introduction
The programme is intended to cater for the needs of those individuals either without the qualifications to join a degree programme or with interest in pursuing areas of mass communication but have not taken a relevant degree programme.

2. Objectives of the Programme
The programme amis to:
i.   provide specialised training in specific fields of Mass Communication;
ii.   enhance competence and skills in specialised areas of Mass Communication, Journalism, Public Relations and Advertising; and

iii. facilitate possible upgrading for BA Mass Communication, BA Journalism and BA Public Relations and Advertising degree holders who do not have the requisite GPA to be admitted into the MA programme.

3. Entry Requirements
i. A candidate must have a good first degree or master's degree from a recognised University; OR
ii. Possess an advanced diploma in any discipline.

4. Programme Structure
The Postgraduate Diploma in Mass Communication is offered as a full-time and an evening programme. The full-time programme lasts for one academic year whereas the evening/part-time programme lasts for 18 months. The evening programme is suitable for candidates who cannot manage to undertake full-time studies.

In addition to the general University examination regulations, the following examination regulations shall apply:
i. Each course shall be subjected to a final examination at the end of the semester/course.
ii. A full-time or evening candidate whose overall GPA at the end of the second semester is below 2.7 shall be discontinued from the programme.
iii. A full-time or evening candidate whose overall GPA at the end of the second semester is 2.7 or above but has failed in one or more courses shall be required to sit for a supplementary examination in the failed courses.
iv. A candidate who fails in any subject in supplementary examinations shall be allowed to repeat the failed subject during the semester in which the subject is offered - no candidate shall be allowed to repeat the failed subject twice
v. The minimum attainable grade in a supplementary examination shall be "B".
vi. A candidate who fails any subject in a supplementary examination shall be allowed to continue to the next semester but shall be required to repeat the failed subject during the semester in which the subject is offered. No candidate shall be allowed to repeat the failed subject twice
vii. Candidates will be required to write a research project paper. Each student shall be allocated a supervisor, with whom the student should have regular contact during the research period.
viii. The proposals for the project shall be submitted by the middle of the second semester.
ix. The project shall carry a total of 12 credits.

5. List of Courses
Semester I
Candidates will be required to take at least 84 credits from the following courses:
Core Courses

Course Code	Course Title	Credits
CO 500	Introduction to Mass Communication Theory	12
CO 502	Writing for the Media	12
CO 503a	Radio Broadcasting	12
CO 503b	Television Broadcasting	12
CO 505	Photojournalism	12
CO 506	Media Law	12
CO 510	Public Relations and Advertising	12

Semester II

Candidates will be required to take at least 84 credits from the following courses inclusive of 24 credits of the Research Report (CO 599):

Core Courses

Course Code	Course Title	Credits
CO 507	Journalism Ethics	12
CO 508	Mass Communication Research	12
CO 511	Media Management	12
CO 513	Advanced Print Journalism	12
CO 514	Advanced Broadcast Journalism	12
CO 515	Advanced Public Relations and Advertising	12
CO 599	Research Report	24

Elective Courses

Course Code	Course Title	Credits
CO 509	Public Information Programme	12
CO 512	Specialised Writing	12

Courses for the Evening Programme

The courses for the evening programme shall be conducted as follows:

Year 1: Semester I

Candidates are required to take all 72 credits of the following courses:

Core Courses

Course Code	Course Title	Credits
CO 500	Introduction to Mass Communication Theory	12
CO 502	Writing for the Media	12
CO 503a	Radio and Television	12
CO 503b	Television Broadcasting	12
CO 501	Journalism Issues and History	12
CO 504	Editing, Layout and Graphics	12

Semester II

Candidates are required to take all 84 credits:

Course Code	Course Title	Credits
CO 505	Photojournalism	12
CO 506	Media Law	12
CO 510	Public Relations and Advertising	12
CO 507	Journalism Ethics	12
CO 509	Public Information Programme	12
CO 511	Media Management	12
CO 512	Specialised Writing	12

Year 2: Semester I

Candidates are required to take at all 60 credits in addition to 24 credits of the Research Report (CO 599):

Course Code	Course Title	Credits
CO 508	Mass Communication Research	12
CO 513	Advanced Print Journalism	12
CO 514a	Advanced Radio Broadcast	12
CO 514b	Advanced Television Broadcasting	12
CO 515	Advanced Public Relations and Advertising	12
CO 599	Research Report	24

6. Programme Evaluation and Examinations

The final examination shall contribute 50% to the final grade of a course and the continuous assessment shall contribute 50%.

MASTER'S PROGRAMMES OFFERED BY THE SCHOOL

1. Introduction

Currently, the School offers one MA in Mass Communication programme by coursework and dissertation, and by thesis.

2. Objectives of the Programme

The Master of Arts in Mass Communication programme has been formulated to meet the needs and growth of the current media industry, which require well-qualified professionals with sound knowledge and skills necessary to address the technological, economic as well as social changes taking place in the world and within the country today. The programme creates an avenue for practitioners who have been in the industry for a long time but need to strengthen their credentials. Also, it provides opportunity for universities and other institutions to train their teaching staff in media studies.

3. Entry Requirements

For admission, applicants must be first degree holders from recognised universities in a relevant discipline, preferably in media-related fields such as journalism and mass communication or public relations and advertising, with a minimum GPA of 2.7. Applicants with a postgraduate diploma from a recognised university coupled with work experience also qualify. A proof of English Language proficiency at the time of application from certified centres that offer such tests may also be required.

4. Programme Structure

The MA programme lasts for 18 months. Students will undertake a coursework for two semesters and thereafter work on a dissertation in a period of six months. To graduate, a student needs a minimum of 180 credits and a maximum of 204 credits. Students need to take four (4) core courses and a maximum of two (2) elective courses per semester. Students are also required to write a dissertation that meets the requirements of the University of Dar es Salaam. The dissertation carries 60 credits and is graded.

5. List of Courses

Semester I

Core Courses

CO 600	Communication Theory	12
CO 601	Research Methods in Mass Communication	12
CO 602	Media, Gender and Society	12
CO 603	Writing for Mass Media	12

Elective Courses

Course Code	Course Title	Credits
DS 610	Issues in Development	8
CO 604	International Media Systems	12
CO 605	Corporate Communication	12
CO 606	Media in East Africa	12

Semester II
Core Courses

Course Code	Course Title	Credits
CO 607	Media Ethics	12
CO 608	Media Laws and Policies	12
CO 609	Media Management and Economics	12
CO 610	New Media Technologies	12

Elective Courses

Course Code	Course Title	Credits
CO 611	Colloquium on Media and Development	12
CO 612	Media and Democracy	12
CO 613	Media Criticism	12
CO 614	Master Project	8

Semester III
Core Course

Course Code	Course Title	Credits
CO 669	Dissertation	60

6. Programme Evaluation and Examinations
The final University examination shall contribute 50% to the final grade of a course and the continuous assessment carries the remaining 50%. The dissertation, on the other hand, shall be graded out of 100% in accordance with established Postgraduate Guidelines and will account for 60 credits.

PhD PROGRAMME OFFERED BY THE SCHOOL
1. Introduction
Presently, the School only offers a PhD in Journalism and Mass Communication by thesis. The doctoral programme gives students an opportunity to undertake research and, subsequently, write a thesis.

2. Objectives of the Programme
The PhD in Journalism and Mass Communication programme is designed to prepare independent scholars for academic careers in teaching and research in mass communication and other media-related fields. It seeks to build a solid foundation in the media discipline among candidates through multifaceted exploration of theories and methods that influence the shape and scope of research in journalism, mass communication, and other media fields including Corporate Communication.

3. Entry Requirements
A master's degree in media-related fields of Journalism, Mass Communication and Public Relations and Advertising from the University of Dar es Salaam or an equivalent master's degree from a recognised university.

4. Programme Structure

The current PhD programme in Journalism and Mass Communication is offered only by thesis. The programme is based on research and writing of a thesis. This is done under close supervision and lasts for three years. Students can select research topics in media-related areas such as Journalism, Mass Communication, and Public Relations and Advertising.

5. List of Courses

As a thesis-based programme, the PhD in Journalism and Mass Communication offers no structured class-based courses.

6. Programme Evaluation and Examinations

The thesis is evaluated by External and Internal Examiners and, subsequently, the candidate defends it before a Viva Voce Panel. The PhD thesis is graded in accordance with the Postgraduate Guidelines of the University of Dar es Salaam.

SJMC STAFF LIST
Office of the Dean
Senior Lecturer and Dean
M. Mwakalinga, BA, MA (Dar), PhD (Kansas)

Senior Lecturer
D. P. Kuhenga, BA (Dar), MA (Rhodes), MA, PhD (UDSM)

Lecturer and Coordinator of Academics
K. Gidion, Teachers Cert. (Mpuguso), Dipl. Ed. (Morogoro), BEd (ADE), MA (UDSM), PhD (SAUT)

Lecturers
***A. Rioba, BA (Makerere, Uganda), MA (Cardiff, UK), PhD (Tampere, Finland)
M. Zacharia, BA, (Dar), MA (Daystar Kenya), PhD (UDSM)
D. Mukiza, BA, MA(SAUT, Mwanza), PhD (SAUT, Mwanza)
E. A. Mkoko, BA (Dar), MA (Rhodes, South Africa), PhD (Nelson Mandela, South Africa)
E. M. Magolanga, BA, MA (Iringa), PhD (UDSM)
E. Ngelela, BA, MA, PhD (UDSM)
S. Ndibalema, BA, MBA (Dar), PhD (London, UK)

Assistant Lecturers
D. P. Kamala, BA, MA (Iringa)
D. Ishengoma, BA, MA (UDSM)
M. J. Nginila, BA (MUM-Morogoro), MA (SAUT, Mwanza)
*J. Rugaika, BA (SAUT), MA (Cardiff, UK)
*A. Katunzi, BA, (UDSM), MA (Kampala, Uganda)
*N. Mfaume, BA (Islamic Univ., Uganda), PGD (UDSM), MA (Kampala, Uganda)
*Z. Selemani, BA (UDSM), MA (Peace, Costa Rica)
*A. Benson, BA, MA (UDSM)
*S. A. Hussein, BA, MA (UDSM)
*L. S. Mandu, Dip. Ed (Butimba), BA (Mwanza), MA (Nairobi, Kenya)
*E. A. Ngabo, BA, MA (UDSM)
A. S. Sembosi, BA, MA (UDSM)
V. Barden, BA, MBA (UDSM)
S. M. Mustapher, BA, MA (SAUT)
T. Munisi, BA (UDSM) MA(Oslo, Norway)
T. Theodory, BA (UDSM) MA(Oslo, Norway)

Tutorial Assistants
C. C. Ngidula, BA (UDSM)
J. M. Petro, BA (UDSM)
G. K. Majala BA (UDSM)
H. O. Linguya BA (UDSM)
R. Muniko, BA, MA (UDSM)

Administrative Officer
J. P. Karata, BA (OUT), PGDSc (UDSM) MA (SYSU, Guangzhou, China)

Principal Instructor
E. Solomon, BAMCom (Makerere, Uganda), MAMCom (Tampere, Finland), PhD (Berlin, Germany)

Technician
S. Chungu, FTC., BENG (DIT), PGDSc UDSM)

Senior Artisan
R. Kitwana, Cert. Jour., Dip. Jour.(TSJ, Dar es Salaam),

Acting Mlimani Media Manager
M. J. Nginila, BA (MUM-Morogoro), MA (SAUT)

Producer
G. Malisa, BA, MBA (UDSM)

Records Management Assistant
S.H.Mwamba Dip.(Dar)

Principal Library Officer I
C. C. Nchimbi, Dip. (SLADS, Bagamoyo), BA (OUT), PGD (TPSC), MA (UDSM)

Library Officer II
N. R. Mweta, BA (SUA, Morogoro)

_____
* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

INTRODUCTION

The School of Aquatic Sciences and Fisheries Technology (SoAF) is a newly established School of the University of Dar es Salaam established in September 2020 through the upgrading of the then Department of Aquatic Sciences and Fisheries Technology, a unit that was under the then College of Agricultural Sciences and Fisheries Technology (CoAF), which changed later to College of Agricultural Sciences and Food Technology (CoAF). SoAF expertise spans in all aquatic habitats (rivers, lakes, wetlands, estuaries, and coastal and marine environment), fisheries and aquaculture, environmental modelling, pollution studies, socio-economics, etc. As a unit of the University of Dar es Salaam, the School is mandated to conduct training and research, as well as provision of public services including consultancy and outreach services related to aquatic sciences. The then Department of Aquatic Sciences and Fisheries Technology provided advisory and consultancy services to government institutions, non-governmental organisations, industry and private individuals either on an interdisciplinary level or on a specific area, the activities that are currently being offered by SoAF.

SoAF comprise two teaching departments, namely:
i. Department of Aquatic Sciences and Fisheries Technology
ii. Department of Aquaculture Technology

POSTGRADUATE PROGRAMMES OFFERED BY THE SCHOOL
i. Master of Science by coursework and dissertation
ii. Master of Science by thesis
iii. Doctor of Philosophy (PhD) by coursework and dissertation
iv. Doctor of Philosophy (PhD) by thesis

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	**Non-Tanzanian (USD)**
1.	Master of Science in Fisheries and Aquaculture	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040
		Thesis			6,375,000	
2.	Doctor of Philosophy (PhD) in Aquatic Sciences	Coursework and Dissertation	Full-time	48 months	2,500,000 per year	4,020 per year
		Thesis		36 months		

MASTER OF SCIENCE IN FISHERIES AND AQUACULTURE

1. Introduction

The programme consists of two parts: coursework (Part I) and dissertation (Part II),extending over a period of two academic years (24 months) distributed into four semesters of full-time attendance from the date of registration.The first two semesters in the first year are spent on coursework, with final examinations at the end of each semester, while the second year is devoted to dissertation work. During the second semester of the first year, students are required to develop research proposals detailing the theoretical background and methodology, as a preparation for dissertation work.

The minimum number of credits for graduation is 192, of which 144 are for coursework and 48 for dissertation. Of the coursework credits, each student is required to take 104 credits from core courses and a minimum of 40 credits from elective courses. Completing a course is defined as obtaining a B grade or higher than that A student must pass both the coursework and dissertation to qualify for the degree award.

2. Entry Requirements

Admission into the programme will be in accordance with the University of Dar es Salaam regulations regarding postgraduate studies. To be eligible for admission to the programme, the applicant should have the first degree (BSc in Fisheries, Aquaculture, Zoology, Marine Biology, and Aquatic Environmental Sciences,) from a recognised institution. Admission may also be based on equivalent qualifications.

3. Assessment and Examinations

The UDSM general examination regulations apply.

4. List of Courses

Core Courses

Course Code	Course Title	Credits
AF 601	Advanced Aquatic Ecology	12
AF 602	Fisheries Socio-economics and Management	12
AF 603	Fish Population Dynamics and Stock Assessment	12
AF 604	Advanced Aquaculture Systems	12
AF 605	Fish Nutrition and Feed Technology	12
AF 606	Aqua farm Planning and Management	12
AF 607	Fish Health Protection	8
AF 608	Brood stock Management and Hatchery Production	12
AF 609	Post Harvest Technology in Fisheries	12
AF 699	Dissertation	48
Total number of Core Credits		**152**

Elective Courses

Course Code	Course Title	Credits
AF 610	Fish Physiology and Endocrinology	8
AF 611	Environmental Impact of Aquaculture and Capture Fisheries	12
AF 612	Systematic Ichthyology	8
AF 613	Ecology and Behaviour of Fishes	8
AF 614	Recreational and Ornamental Fisheries	8
AF 615	Aquatic Resources and Biodiversity Management	8
BL 607	Bio statistics	12
BT 603	Seaweed Culture and Processing	12
SC 601	Advanced Research Methods	12
Total number of Elective Credits		**88**

DOCTOR OF PHILOSOPHY IN AQUATIC SCIENCES (BY COURSEWORK AND DISSERTATION)

1. Introduction

It is a full-time programme using a mixed mode of taught courses and dissertation research. For the taught part, coursework assessment weighs 50% and the final examination makes up another 50% of the total marks. The dissertation carries 100% of the total course assessment. In addition to sitting for and passing the examinations, candidates are required to do a comprehensive examination before they are allowed to

proceed with dissertation. The dissertation may be submitted either as a single monograph or at least 5 journal papers with introduction and conclusion chapters as stipulated under section 6.5.3 of the General Regulations and Guidelines for Postgraduate Programmes. Two of the journal papers must be published or acceptedforpublicationininternationaljournalsrecognisedbytheUniversityofDaresSalaam.The aims to train candidates to write acceptable manuscripts and instill a culture of publishing scientific results.

2. Entry Requirements

The programme targets candidates with a master's degree in biological science subjects. Entry requirements

willfollowUniversityofDaresSalaamcriteriaasstipulatedundersection1.4.3oftheGeneralRegulations and Guidelines for Postgraduate Programmes.

3. List of Courses

Core Courses: Fisheries Stream

Course Code	Course Title	Credits
AQ 701	Philosophical Issues and Ethics in Scientific Research	24
AQ 711	Tropical Fish Population Dynamics	24
AQ 713	Biology of Finfish and Shellfish	24
AQ 715	Management and Conservation of Aquatic Resources	24
AQ 702	Aquatic Systems, Climate Variability and Change	24
AQ 712	Ecology of Fishes	24
AQ 714	Fisheries Policy, Laws, Planning and Management	24
Total Number of Core Credits		**168**

Core Courses: Aquaculture Stream

Course Code	Course Title	Credits
AQ 701	Philosophical Issues and Ethics in Scientific Research	24
AQ 721	Advanced Aquaculture Systems	24
AQ 722	Aquatic Animal Nutrition	24
AQ 723	Aquaculture Economics	24
AQ 702	Aquatic Systems, Climate Variability and Change	24
AQ 716	Fish Health and Pathology	24
Total Number of Core Credits		**144**

Core Courses: Biological Oceanography Stream

Course Code	Course Title	Credits
AQ 701	Philosophical Issues and Ethics in Scientific Research	24
AQ 731	Marine Microbial Interactions	24
AQ 732	Marine Photosynthesis and Primary Production	24
AQ 702	Aquatic Systems, Climate Variability and Change	24
AQ 733	Secondary Production in the Pelagic Realm	24
AQ 734	Benthic Ecology and Production	24
Total Number of Core Credits		**144**

Course Code	Course Title	Credits
AQ 701	Philosophical Issues and Ethics in Scientific Research	24
AQ 741	Dynamics of Freshwater Systems	24
AQ 743	Advanced Watershed Management	24
AQ 702	Aquatic Systems, Climate Variability and Change	24
AQ 742	Eco-hydrology	24
AQ 744	Applied Limnology	24
Total Number of Core Credits		**144**

Elective Courses: Fisheries Stream

Course Code	Course Title	Credits
AQ 715	Management and Conservation of Aquatic Resources	24
AQ 717	Management of Small Impoundments	24
AQ 719	Advanced Fisheries Economics	24
AQ 736	Ocean Colour Remote Sensing	24
AQ 716	Fish Health and Pathology	24
AQ 720	Social and Environmental Impacts of Fisheries and Aquaculture	24
AQ 718	Modern Techniques in Ichthyo-taxonomy	24
AQ 725	Fisheries and Aquaculture Extension	24
Total Number of Core Credits		**192**

Elective Courses: Aquaculture Stream

Course Code	Course Title	Credits
AQ 713	Biology of Finfish and Shellfish	24
AQ 735	Molecular Techniques and Bioinformatics	24
AQ 724	Construction of Aquaculture Facilities	24
AQ 725	Fisheries and Aquaculture Extension	24
AQ 726	Aqua-products Marketing and Trade	24
AQ 718	Modern Techniques in Ichthyo-taxonomy	24
Total Number of Core Credits		**144**

Elective Courses: Biological Oceanography stream

Course Code	Course Title	Credits
AQ 715	Management and Conservation of Aquatic Resources	24
AQ 735	Molecular Techniques and Bioinformatics	24
AQ 736	Ocean Colour Remote Sensing	24
AQ 712	Ecology of Fishes	24
AQ 737	Ecological Modelling	24
AQ 738	Ocean Biogeochemistry	24
Total Number of Core Credits		**144**

Elective Courses: Limnology Stream

Course Code	Course Title	Credits
AQ 717	Management of Small Impediments	24
AQ 733	Secondary Production in the Pelagic Realm	24
AQ 736	Ocean Colour Remote Sensing	24
AQ 746	Freshwater Policies and Management	24
AQ 732	Marine Photosynthesis and Primary Production	24
AQ 737	Ecological Modelling	24
AQ 745	Tropical Wetlands Ecosystems and Management	24
Total Number of Core Credits		**168**

YEAR 2, 3 & 4: DISSERTATION

Course Code	Status	Credits
AQ 799	Core	270
AQ 775	Elective	24

SoAF STAFF LIST

Office of the Dean
Senior Lecturer and Dean
B. R. Lugendo, BSc, MSc (Dar), PhD (Radboud)

Human Resource Officer
A.F. Mtengo, BCom. HRM (Dodoma)

Secretary
H. J. Mwamboza, Dip (Tanga)

Senior Records Management Assistant
M. M. Elvis, Dip (Dar)

ICT Officer
M.S. Muhamedi, Dip (Dar)

Accountant
C. A. Saleco, ADC (MUCCoBS) Kilimanjaro, MSc (Mzumbe), CPA(T)

Procurement Officer
A. W. Missango, BPLM (Dar es Salaam), MSc PSCM (Mzumbe Dar es Salaam)

Assistant Supplies Officer
Y. A. Kingalu, Dip (Dar)

Drivers
D.C. Msuha, MV Mechanics I, PSV, VIP driver II (Dar)
F. F. Momburi, Basic Cert. ADG II (Dar)

Department of Aquatic Sciences and Fisheries Technology (DASFT)
Lecturer and Head
L. Gaspare, BSc, MSc (Dar), PhD (AAS)

Secretary
E. C. Mutakyamirwa, Dip (Tabora)
Associate Professor
D. A. Shilla, BSc (Dar), MSc (Brussels), PhD (Saitama)

Senior Lecturers
J. Francis, BSc (Dar), PGD (Dalhousie), PhD (Flinders)
**P. L. Mfilinge, BSc (Dar), MSc (Hull), PhD (Ryukus)
B. R. Lugendo, BSc, MSc (Dar), PhD (Radboud)

Lecturers
S. Pamba, BSc, MSc, PhD (Dar)
A. M. Hamdun, BSc (Dar), MSc, PhD (Ryukvus)
L. Gaspare, BSc, MSc (Dar), PhD (AAS)
T. K. Mmbaga, BSc, MSc, PhD (Dar)
N. P. Mombia, BSc, MSc, PhD (Dar)

Assistant Lecturers
*J. L. Lusana, BSc (Dar), MSc (Zhejiang)
J. S. Matata, BSc, MSc (Dar)
*F. M. Changoma, BSc (Dar), MSc (Busan)
*B. S. Mayoma, BSc (Dar), MSc (Roskilde)
*F. M. Malesa, BSc, MSc (Dar)
*S.J.Nassary, BSc, MSc (Dar)
H. M. Sanga, MSc (Dar)
*A. A. Alex, MSc (Dar)

*R. A. Bilal, BSc (Dar), MSc (Brussels)
L.N. Ntibona, BSc, MSc (Dar)
*R.O. Mkenda, BSc, MSc (Dar)

Laboratory Scientists
H. M. James, Dip, BTLS (Dar)
*J. M. Manyama, BSc (Dar)
*E.P. Shimwenda, BSc (Dar)

Laboratory Technicians
J.T. Idd, Dip (Mwanza)

Ordinary Seaman
H. R. Mnyone, Cert (Pwani)

Department of Aquaculture Technology (DAT)
Associate Professor and Head
C. J. Mwita, BSc, MSc, PhD (Dar)

Secretary
E. C. Mutakyamirwa, Dip(Tabora)

Associate Professor
C. J. Mwita, BSc, MSc, PhD (Dar)
S. M. Limbu, BSc (Dar), MSc (Stirling), PhD (Shangai)

Senior Lecturers
 R. A. Tamatamah, BSc (Dar), MSc (Stirling), PhD (Waterloo)
**B. M. Lukwambe, BSc (Morogoro), MSc, PhD (Ningbo)

Lecturer
R. A. Kajungiro, BSc (Dar), MSc (Ningbo), PhD (Stockholm)

Assistant Lecturer
J. S. Philemon, BSc (Dar) MSc (Dar es Salaam),
N.M. Missana, BSc (Morogoro), MSc (Can Tho)
H.S.Mpangala, BSc, MSc (Dar)
R.B. Ndada, BSc (Dar), MSc (South Korea)

Tutorial Assistants
*A.S.Ayengo, BSc (Dar)
*A.Y.Mjata, BSc (Morogoro)
*G.J.Maro BSc (Dar)

Laboratory Scientists
V.H. Temu, BSc (Dar), MSc (Busan)
E. G. Kaole, BSc (Dodoma)

Laboratory Technicians
D. H. Ngairo, Dip (Pwani), BAPh (Jordan), BSc (Dar)
*J. H. Temu, Dip (Pwani), BSc (Dar)
C.C. Wambura, Dip (Mwanza)

*On StudyLeave
**On Sabbatical Leave
***On Leave of Absence/Secondment

INTRODUCTION

The School of Mines and Geosciences (SoMG) is one of the seven campus Schools of the University of Dar es Salaam (UDSM) established following the implementation of the new University's organisational structure in 2020. SoMG evolved from the former College of Engineering and Technology (CoET) and and the College of Natural and Applied Sciences (CoNAS) that were established in 2005 and 2009, respectively.

SoMG comprises three teaching departments, namely:
  i.   Geosciences
  ii. Mining and Mineral Processing Engineering
  iii. Petroleum Science and Engineering

PROGRAMMES OFFERED BY THE SCHOOL

The postgraduate programmes offered by the school are under the following categories:
  i.   Master of Science by coursework and dissertation
  ii. Master of Science by thesis
  iii. Doctor of Philosophy (PhD) by thesis

The following postgraduate programmes are offered by SoMG (Tuition fees for each programme are shown in the last two columns):

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non-Tanzanian (USD)
Master of Science in Petroleum Geology	Coursework and Dissertation	Full-time	24 months	4,250,000	8,040
Master of Science in Petroleum Geology	Thesis	Full-time	24 months	6,375,000	8,040
Master of Science in Geology	Thesis	Full-time	24 months	4,250,000	8,040
Master of Science in Mining Engineering (Mineral Economics)	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
	Thesis		24 months	6,375,000	8,040
Master of Science in Petroleum Engineering	Coursework and Dissertation	Full-time	18 months	4,781,500	6,030
Master of Science in Petroleum Engineering	Thesis	Full-time	24 months	6,375,000	8,040
Master of Science in Metallurgy/Mineral Processing Engineering	Thesis	Full-time	24 months	6,375,000	8,040
Doctor of Philosophy	Thesis	Full-time	36 months	3,387,500	4,020

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non-Tanzanian (USD)
(PhD) in Geology				per year	per year
Doctor of Philosophy (PhD) in Mining Engineering	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Metallurgy/ Mineral Processing Engineering	Thesis	Full-time	36 months	3,387,500per year	4,020 per year
Doctor of Philosophy (PhD) in Petroleum Geology	Thesis	Full-time	36 months,	3,387,500per year	4,020 per year
Doctor of Philosophy (PhD) in Petroleum Engineering	Thesis	Full-time	36 months	3,387,500 per year	4,020 per year

NB: Other fees are as shown in section 1.1: UDSM fee structure. In addition to tuition fees, postgraduate students are required to have a research fund which currently is at least TZS 10,000,000 and TZS 20,000,000 for Master and PhD students respectively. In case of lab intensive research done at SoMG, 10% of this research fund shall be deposited to the corresponding account of the offering department to cater for major and centrally used consumables.

MASTER'S DEGREE PROGRAMMES
All departments in the school offer master's degrees by thesis. In addition, the following master's programmes are offered by coursework and dissertation;

MASTER OF SCIENCE IN PETROLEUM ENGINEERING
1. Entry Requirements
i.   A BSc Degree in a corresponding field of Petroleum Engineering or related Engineering field from a recognised institution with a GPA of not less than 2.7 out of 5.0.
ii. A corresponding postgraduate diploma offered by UDSM or any other recognised institution with a GPA of not less than 4.0 out of 5.0. The Admission Board will also consider applicants, with any other equivalent qualifications not mentioned above, subject to the Senate approval.

2. Overall Objective
The main objective of the programme is to produce graduates with the requisite knowledge, skills and attitude to spearhead, support and sustain the development of the oil and gas industry.

3. Specific Objectives
Specific objectives are to:
i.   Develop capacity of the department to run and manage petroleum programmes;
ii. Impart students with knowledge and skills in applied mathematics, science, computer-based methods, design, and engineering practice to solve petroleum engineering problems, taking into consideration the ethical, economical, social and environmental context; and
iii. Strengthen capacity and competence of individual student to apply acquired knowledge to conduct research on complex industrial related problems in oil and gas.

Year 1
Core Course

Course Code	Course Title	Credits	Semester
OG 601	Reservoir Rock and Fluid Properties	12	I
OG 630	Directional Drilling	12	
OG 640	Reservoir Recovery Methods	12	
ME 684	Field Development and Operations	12	
OG 621	Oil and Gas Production Wells	12	II
OG 631	Pressure Control during Drilling	12	
OG 661	Reservoir Modelling and Simulation	12	
OG 662	Computational Methods in Petroleum Engineering	12	
Total		**96**	

Elective Courses (select one for each semester)

Course	Course Title	Credits	Semester
OG 672	Petroleum Management, Ethics and Political Economy	12	I
OG 674	Petro physics and Well Logging	12	
ME 681	Natural Gas Technology	12	
IE 602	Statistics and Research Methods	12	
OG 670	Team Work Techniques	12	II
OG 671	Petroleum Economics	12	
OG 673	Pollution Control in Petroleum Industry	12	
OG 675	Drilling Fluids	12	

Year 2

Course Code	Course Title	Credits
OG 699	Dissertation	60

4. Programme Evaluation and Examinations

The assessment of the coursework part consists of continuous assessment which carries 40% and final examination 60%. The assessment of the research part consists of examination of the dissertation by an internal examiner and external examiner. The dissertation is graded; and to pass, a student needs to score a minimum of a B grade.

MASTER OF SCIENCE IN PETROLEUM GEOLOGY

1. Introduction

The programme is a two-year post-graduate programme leading to the award of an MSc in Petroleum Geology. The programme is intended for graduate earth-scientists who want to expand the scope and depth of their knowledge base in the major areas of petroleum geosciences and exploration.

2. Objectives of the Programme

The overall objective of this programme is to enable its graduates to acquire in depth knowledge in the major areas of petroleum geosciences and exploration.

3. Entry Requirements

An applying candidate should be a holder of the first degree majoring in Geology, Petroleum Geology, Engineering Geology, or other earth-sciences related fields with an overall GPA of 2.7 and above. An applicant holding a pass degree can be admitted provided that she/he has an overall grade of B or higher in the said courses at the undergraduate level.

4. Programme Structure

This programme runs on a full-time basis for a period of two years (four semesters). The programme requires a student to complete a minimum of 120 credits of coursework; whereof 96 credits from prescribed core courses and 24 credits from any elective courses. The coursework component is offered in the first year in two semesters, followed by a dissertation work (60 credits) in the second year of study.

5. List of Courses

Year 1

Core Course

Course Code	Course Title	Credits	Semester
GY 600	Advanced Petroleum Geology	12	I
GY 601	Rock Properties, Petrophysics and Welllog Analysis	12	
GY 602	Stratigraphy and Sedimentology	12	
GY 603	Seismic data Acquisition and Processing	12	
GY 606	Petroleum Basin Analysis	12	II
GY 607	Seismic data Interpretation	12	
GY 608	Scientific Writing	12	
GY 609	Petroleum Structural Geology	12	
	Total	**96**	

Elective Courses

Course Code	Course Title	Credits	Semester
GY 604	Gravity, Magnetic and Remote Sensing Methods	12	I
GY 605	Petroleum Geochemistry	12	
IEM 601	Environmental Pollution Prevention and Control	12	
GY 610	Petroleum Production	12	II
GY 611	Palaeontology and Palynology	12	
GY 612	Reservoir Diagenesis and Quality	12	

Year 2

Course Code	Course Title	Credits
GY 699	Dissertation	60

6. Programme Evaluation and Examinations

The assessment of the coursework part consists of continuous assessment which carries 50% and final examination 50%. To pass the coursework, a student must score a minimum of B grade in each course. The assessment of the research part consists of examination of the dissertation by an internal examiner and external examiner. The dissertation is graded; and to pass, a student needs to score a minimum of B grade.

MASTER OF SCIENCE IN MINING ENGINEERING (MINERAL ECONOMICS)

7. Entry Requirements

i.   Bachelor of Science Degree in the field of Mining Engineering from a recognised institution with GPA of not less than 2.7 out of 5.0;

ii.   A corresponding postgraduate diploma offered by College of Engineering and Technology, UDSM or any other recognised institution with GPA of not less than 4.0 out of 5.0;

iii. The Admission Board will also consider applicants, with any other equivalent qualifications not mentioned above, subject to the Senate approval.

8. Objectives of the Programme

i.   Overall Objective

The main objective of the programme is to produce graduates with the requisite knowledge, skills and attitude to spearhead, support and sustain the development of the mining industry specifically at all aspects of mining and mineral economics at advanced academic level (TCU level 9).

ii.   Specific Objectives

Specific objectives are to:

a)   Strengthen capacity of the department to run and manage mining engineering programme;

b)   Impart high level of knowledge, skills and attitudes to students in mining engineering/mineral economics and related disciplines that address the needs of the development of mining operations for sustainability of the mining industry;

c)   Evaluate the knowledgeable expertise of students to become proficient in advanced techniques for managing and solving surface and underground mining investments and mining industrial issues in the most cost-effective way that ensure maximum returns to the society in the sustainable manner; and

d)   Appraise the knowledge and understanding of practicing mining engineers, managers and related disciplines in solving mining related issues in the midst of uncertainties on the price of commodities, grades and recoveries.

Course Matrix for MSc Mining Engineering (Mineral Economics)

3. List of Courses

YEAR 1 – SEMESTER 1			YEAR 1 – SEMESTER 2		
Core Courses			**Core Courses**		
Course Code	**Course Title**	**Credits**	**Code**	**Course Title**	**Credits**
MN 621	Surface Mining Systems	12	MN 682	Cost Management for Mining Systems	12
MN 622	Underground Mining Systems	12	MN 683	Mineral Project Evaluations	12
IE 602	Statistics and Research Methods	12	MN 623	Mine Geotechnical Engineering	12
MN 681	Mineral Resource Economics	12	MK 608	International Marketing	12
	Elective Courses (Select one)			*Elective Courses* (Select one)	
MN 670	Occupational Health and Safety in Mining Industry	12	MN 671	Environmental and Social Management Systems	12
OL 604	Good Governance in Oil and Minerals	15	MG 623	Project Management	12

EC 639	Petroleum Economics	12	MP 677	Advanced Mineral Processing	12
EC 650	Environmental Economics I	12	EC 676	Econometric Theory and Practice I	12
MN 675	Mine Finance and Investments	12			
YEAR 2 – SEMESTER 1					
MN 699	Dissertation	60			

4. Programme Evaluation and Examinations

The programme assessment will be based on the combination of continuous assessment (coursework) and final examination. The coursework is set to have 40% and the final written examination carries 60%. The dissertation shall be assessed by one or more external examiners and one or more internal examiners. It will be marked out of 100%. Upon successful accomplishments of all programme components the University of Dar es Salaam will award MSc degree certificate and an academic transcript.

MASTER'S PROGRAMMES BY THESIS

1. Introduction

SoMG offers a Master of Science by thesis in all major fields of specialisation which are:

i. MSc in Geology
ii. MSc in Petroleum Engineering
iii. MSc in Petroleum Geology
iv. MSc in Mining Engineering (Mineral Economics)
v. MSc in Metallurgy
vi. MSc in Mineral Processing Engineeing

2. Entry Requirements

The minimum qualification for admission to the programme is an upper second- class Bachelor of Science degree in respective Science field from the University of Dar es Salaam or another recognised institution.

3. Programme Structure

The registration period for the programme shall normally be 24 months for full-time students up to 48 months for part-time students. Registration for the programme shall be at the beginning of either semester I or II during the Academic Year. The registration shall be renewed annually. Further guidelines are as contained in the UDSM Postgraduate Guidelines.

4. Programme Evaluation and Examinations

MSc programmes by thesis are run for a period not less than two years, on a full-time basis. They are based on research only. The research part consists of proposal writing and thesis. The thesis is examined by external and internal examiners. To pass the candidate must score a minimum of grade B from the examiners. In addition, for a candidate to graduate from such programme they must pass the *viva voce* examination with grade not below grade B.

DOCTOR OF PHILOSOPHY (PhD) PROGRAMMES

All departments offer PhD programmes by Thesis.

DOCTOR OF PHILOSOPHY (PhD) BY THESIS

1. Introduction

SoMG offers Doctor of Philosophy degree in all the major fields of science and engineering specialisation.

2. Entry Requirements

A candidate for admission to the PhD degree programme must hold a relevant Masters degree of the University of Dar es Salaam or any other recognised institution. Candidates who possess a relevant First

Class in Bachelor of Science may be considered for PhD registration after initially registering for the master's degree (thesis), and demonstrating outstanding performance after doing postgraduate training for at least one year, upon recommendations of the HDC and authorisation by the Senate.

3. Programme Structure

The programme involves a minimum of three years for full-time candidates, or five years for part-time registered candidates. Further guidelines are as contained in the UDSM Postgraduate Guidelines. The general University regulations for postgraduate studies and specifically for PhD studies govern the conduct of studies in the school.

4. Programme Evaluation and Examinations

PhD programmes by thesis are run for a period not less than three years, on a full-time basis. They are based on research only. The research part consists of proposal writing and thesis. The thesis is examined by external and internal examiners. To pass, the candidate must score a minimum of grade B from the examiners. In addition, for a candidate to graduate from such programme they must pass the viva voce examination with not less than garde B.

SoMG STAFF LIST

Office of the Dean
Associate Professor and Dean
E. E. Mshiu, BSc, MSc (Dar), PhD (Halle)

Administrative Officer
A. Beleko BPA (Morogoro), MBA (Mwanza)

Department of Geosciences
Senior Lecturer and Head
E. O. Kazimoto, BSc, MSc (Dar), PhD (Kiel)

Professors
M. A. H. Maboko, BSc, MSc (Dar), PhD (Canberra)
J. R. Ikingura, BSc (Dar), MSc, PhD (Carleton)
S. Manya, BSc, MSc, PhD (Dar)

Associate Professors
N. K. Boniface, BSc, MSc (Dar), PhD (Kiel)
E. E. Mshiu, BSc, MSc (Dar), PhD (Halle)
D. Mulibo, BSc, MSc (Dar), PhD (Penny)

Senior Lecturers
E. O. Kazimoto, BSc, MSc (Dar), PhD (Kiel)
K. Charles, BSc, MSc (Dar), PhD (Cape Town)
C. Mtelela, BSc, MSc (Dar), PhD (Townsville)

Lecturers
S. R. Melchioly, BSc (Dar), MSc (Rorkee), PhD (Dar)
R. L. Gama, BSc (Dar), MSc, PhD (Brest)
J. J. Saroni, BSc, MSc (Dar), PhD (Aberdeen)
O. S. Lemna, BSc (Dar), MSc (Munich). PhD (Aberdeen)
M. C. Moshi, BSc (Dar), MSc (Utrecht), PhD (Akita)
E. G. Mutabazi, BSc, MSc (Dar), PhD (Utrecht)

Assistant Lecturers
W. A. Mremi, BSc (Dar), MSc (Miskolc)
*S. Magohe, BSc, MSc (Dar)
*N. D. Kobare, BSc (Dodoma), MSc (Bandung)
*C. N. Kimani, BSc, MSc (Dar)
*K. M. Mtili, BSc, MSc (Dar)
*A. S.Msaki, BSc, (Dar), MSc (Edinburgh)

Tutorial Assistants
J. N. Fungo, BSc (Dodoma)
F. Gaisha, BSc (Dar)
G. Shija, BSc (Dar)
*F. B. Mtegeki, BSc (Dar)
*F. D. Mhindi, BSc (Dar)

Principal Laboratory Scientist I
C. W. Messo, BSc, MSc (Dar), PhD (Okoyama)

Principal Laboratory Scientist II
P. Machibya, BSc, MEM (Dar)

Senior Laboratory Engineer I
E. M. Lugano BSc (Dar)

Laboratory Scientists II
E. Abdalla, BSc (Dar), MSc (Delft), MSc, PhD (Dar)
J. Claud, BSc (Dar)
J. Edmund, Dip, BSc (Dar)

Laboratory Engineer I
R. Y. Mwanafunyo, BSc (Dar)

Laboratory Technician I
M. A. M. Songo, FTC, BSc, MSc (Dar)

Senior Laboratory Engineer II
E. M. Lugano, BSc (Dar)

Technician II
A. Haule, FTC (Dodoma), BSc (Dar)
N. E. Mnzava, FTC (Dodoma)

Department of Mining and Mineral Processing Engineering
Senior Lecturer and Head
A. W. Wikedzi, BScEng (Dar), MSc (Lulea), PhD (Freiberg)

Senior Lecturers
A. J. Salama, BScEng (Dar), MScEng (Paris), PhD (Lulea)
A. J. M. Itika, BScEng (Dar), MScEng (Leeds), PhD (TU, Clausthal)
S. J. E. Maronga, BScEng (Dar), MSc (Texas A&M), PhD (KTH, Stockholm)
A. W. Wikedzi, BScEng (Dar), MSc (Lulea), PhD (Freiberg)
R. J. Katemi, BScEng, MScEng (Dar), PhD (Bremen)

Lecturers
K. R. Baruti, BScEngMN (Zambia), MScEnvMan (Australia), PhD (Dar)
***M. D. Budeba, BScEng (Dar), MSc (Witswatersrand), PhD (Pretoria)
B. F. Giyani, BScEng (Dar), MSc (Vancouver), PhD (Nottingham)
M. S. Dotto, BScEng (Dar), MSc, PhD (Edmonton)
G. W. Kilasa, BScEng (Dar), MSc (Dar), PhD (Dar)
*P. S. Kaheshi, BScEng (Dar), MScEng (Exeter), PhD (Alberta)

Assistant Lecturers
F. M. Ngoroma, BScEng (Dar), MSc (Cape Town)
G. W. Mwaselela, BScEng (Dar), MSc (Exeter)
*K. K. Izina, BScEng (Dar), MScEng (Laurentian)
*D. S. Kalitenge, BScEng (Dar), MScEng (Edmonton)
P. N. Joseph, BSc (Dar), MScEng (Nanjing)
N. M. Nyahili, BSc (Dar), MScEng (Nanjing)

Tutorial Assistant
*M. B. Luc, BScEng (Dar)
*S. K. Mwakalinga, BScEng (Dar)
*B. B. Marwa, BScEng (Dar)

Laboratory Engineer I
*S. Mtigile, BScEng (Dar)

Laboratory Engineer II
S. D. Ikomeja, BScEng (Dar)

Department of Petroleum Science and Engineering (PSE)

Senior Lecturer and Head
E. B. Kiswaka, BSc (Dar), MSc, PhD (Trondheim)

Associate Professor
E. I. Mbede, BSc (Dar), MSc (London), Dr. rer. nat. (Berlin)

Senior Lecturer
E. B. Kiswaka, BSc (Dar), MSc, PhD (Trondheim)

Lecturers
D. R. Mfanga, BSc (Dar), MSc (Laurentian), PhD (Aberdeen)
O. J. Mkinga, BSc (Dar), MSc, PhD (Trondheim)
S. E. Ilani, BSc, MSc (Dar), PhD (Sendai)
A. M. Sykilili, BSc (Dar), MSc (Trondheim), PhD (Dar)
E. S. Mulaya, BSc (Dar), MSc (Trondheim), PhD (Durham)
J. W. Gama, BSc (Dar), MSc (Rueil-Malmaison)

Assistant Lecturers
*F. W. Andalu, BSc (Dar), MSc (Trondheim)
*R. M. Mworia, BSc (Dar), MSc (Trondheim)
*N. B. Mjami, BSc (Dar), MSc (Aberdeen)
*A. B. Mkilindi, BSc (Dar), MSc (Trondheim)
F. S. Kaborogo, BSc (Dar), MSc (Trondheim)
*A. N. Rweyemamu, BSc (Dar), MSc (Trondheim)
*E. Malisa, BSc (Dar), MSc (Aberdeen)
*A. Maswi, BSc (Dar), MSc (Trondheim)
*F. R. Mkuyi, Bsc (Dar), MSc (Trondheim)
G. Nsemwa, BSc, MSc (Dar)

Tutorial Assistants
*C. G. Ng'alambi, BSc (Dar)
*M. A. Said, BSc (Dar)
E. P. Karau, BSc (Dar)
J. M. Mayaka, BSc (Dar)

Laboratory Engineer II
D. Dalama, BSc (Dar)

Laboratory Scientist II
E. Jackson, BSc (Dar), Msc (Trondheim)

Laboratory Technicians II
C. Madalali, Dip (Dar)

_____

*	On Study Leave
**	On Sabbatical Leave
***	On Leave of Absence/Secondment

INTRODUCTION

The School of Economics' teaching departments have appropriate infrastructure for students to complete advanced work and research for the MA and PhD degrees. The teaching staff supervise and guide graduate students in their research projects. The School is divided into two departments: the Department of Economics (DoE) and the Department of Applied Economics (DoAE).

1. Purpose and Scope

The School of Economics provides postgraduate economics courses aimed at developing graduates' careers and allowing them to pursue their various interests, whether in public or private sector employment, self-employment, research, or consultancy.

2. Aims and Objectives

The aims and objectives of the postgraduate programme are to:

i.   extend existing generalised undergraduate studies by offering specialised teaching and instruction at an advanced level to meet Tanzania's and other countries' immediate professional needs;

ii.   raise awareness of the problems of society development and a personal commitment to social reconstruction in Tanzania and other countries;

iii.   promote an interdisciplinary approach and collaborative research among all departments of social sciences at the University; and

iv.   develop teaching and research materials that are directly relevant to current policy issues in Tanzania and the world at large.

3. Course Structure

The structure of postgraduate programmes that include coursework and dissertation writing consists of core courses that are mandatory and electives that students choose based on the electives offered that year and the specialisation that they want to have to suit their intended occupation.

4. Eligibility for Admission into the Postgraduate Programmes

To be eligible for admission, the candidate must fulfill the following conditions:

i.   A bachelor's degree with a minimum GPA of 2.7;

ii.   Adequate background in economics and quantitative methods;

iii.   Positive recommendations from a minimum of two referees.

5. Teaching

The 18-month programme is divided into nine months of instruction and nine months of dissertation writing. The academic year is divided into two semesters, each consisting of 15 teaching weeks and two weeks for semester exams.

The taught PhD programme consists of 18 months of instruction, followed by six months of comprehensive exams and 24 months of research and dissertation writing.

6. Programme Evaluation and Examinations

i. Coursework Assessment

Course evaluation typically accounts for 50% of the final grade in each course. Semester tests and assignments are included in coursework grades.

ii. Final Examinations

At the end of each semester, each course is examined separately. At the end of the academic year, the final grade is calculated using examination and coursework grades from both semesters.

7. Failures

A candidate who fails no more than four units may be permitted to take supplementary examinations under conditions approved by the School Board. A candidate who fails any supplementary examination and has a GPA of 3.0 or higher may be allowed to repeat the failed course(s) within the maximum registration period, but may not proceed to the dissertation phase until the coursework is successfully completed.

8. Allocation of Courses

The duration of postgraduate courses is divided to give roughly half the time to required core courses and half the time to elective courses that students choose based on the electives offered that year and the specialisation that they intend to pursue.

9. Dissertation

Following completion of core and elective courses, the remainder of the time is devoted to the completion of Master's and PhD dissertations. The MA or PhD degree is not awarded until the dissertation is completed satisfactorily.

10. Coordinator of Postgraduate Studies

The School of Economics has a coordinator for postgraduate studies.

PROGRAMMES OFFERED BY THE SCHOOL OF ECONOMICS AND DURATION OF THE PROGRAMMES

With a sufficiently qualified faculty, the School of Economics ensures that core economics courses are well taught while also offering a diverse range of elective courses. The School is also strong in research and policy analysis, which it channels into public service through various research and consulting projects undertaken by its faculty.

The School of Economics offers two master's programmes, namely, Master of Arts in Economics (MAE), and Master of Arts in Applied Economics (MAAE). The School also offers a PhD programme by coursework and dissertation, and PhD by thesis. These programmes are:
i.   Master of Arts in Economics (MAE)
ii.   Master of Arts in Applied Economics (MAAE)
iii.   PhD in Economics by Coursework and Dissertation
iv.   PhD in Economics by Thesis

The fee structure for the various programmes is given below:

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non Tanzanian (USD)
Doctor of Philosophy (PhD) in Economics	Coursework and Dissertation	Full-time	48 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Economics	Thesis	Full-time	36 months	3,000,000 per year	4,020 per year
Doctor of Philosophy	Thesis	Part-time	60 months	3,000,000 per year	4,020 per year

(PhD) in Economics					
Master of Arts in Economics	Coursework and Dissertation	Full-time	18 months	5,000,000	6,030
Master of Arts in Economics	Thesis	Full-time	24 months	6,500,000	8,040
Master of Arts in Applied Economics	Coursework and Dissertation	Evening	24 months	7,500,000	8,040

MASTER'S PROGRAMMES OFFERED BY THE SCHOOL
MASTER OF ARTS IN ECONOMICS

1. Introduction
The MAE programme provides a solid foundation for research and academic purposes, and it is a regular programme offered in collaboration with the African Economic Research Consortium (AERC) through the Collaborative Masters Programme (CMAP).

2. Target Group
The programme is designed for graduates with strong quantitative skills who want to pursue a career in economic analysis and management.

3. Structure of the Programme
The programme lasts 18 months and includes six core courses and four electives, each worth 16 credits. Students complete an 80-credit dissertation at the end of their coursework. As a result, 240 credits must be completed to accomplish this programme.

4. List of Courses
Core Courses
Year 1: Semester I

Course Code	Course Title	Credits
EC 660	Advanced Microeconomics	16
EC 662	Mathematics for Economists	16
EC 664	Policy Analysis	16
Total		**48**

Semester II

Course Code	Course Title	Credits
EC 661	Advanced Macroeconomics	16
EC 663	Statistical Analysis and Econometrics	16
EC 665	Policy Management	16
Total		**48**

Elective Courses

Course Code	Course Title	Credits	Semester
EC 666	Monetary Theory and Practice I	16	I
EC 667	Monetary Theory and Practice II	16	II

EC 668	Public Finance I	16	I
EC 669	Public Finance II	16	II
EC 670	Agricultural Economics I	16	I
EC 671	Agricultural Economics II	16	II
EC 672	Industrial Economics I	16	I
EC 673	Industrial Economics II	16	II
EC 674	Labour Economics I	16	I
EC 675	Labour Economics II	16	II
EC 776	Econometrics Theory and Practice I	16	I
EC 677	Econometrics Theory and Practice II	16	II
EC 678	International Economics I	16	I
EC 679	International Economics II	16	II
EC 680	Corporate Finance and Investment I	16	I
EC 681	Corporate Finance and Investment II	16	II
EC 682	Natural Resources Economics I	16	I
EC 683	Natural Resources Economics II	16	II
EC 684	Environmental Economics I	16	I
EC 685	Environmental Economics II	16	II
EC 686	Managerial Economics I	16	I
EC 687	Managerial Economics II	16	II
EC 688	Health Economics I	16	I
EC 689	Health Economics II	16	II
Electives		**64**	
EC 699	Dissertation	80	
Overall Total		**240**	

MASTER OF ARTS IN APPLIED ECONOMICS
1. Introduction
Both the public and private sectors require training programmes that produce applied economists and policy analysts adept at conducting evidence-based analyses. These are professionals who can conduct applied economic research and scientifically analyse economic data in order to inform policy-making across multiple dimensions. The MA in Applied Economics programme meets this labour-market training need, particularly in developing countries, by informing decision-making in addressing development challenges.

2. Target Group
The programme is designed for practitioners and policy-makers who want to improve their knowledge of applied economic research and scientific analysis of economic data to inform policy.

3. Structure of the Programme
This programme requires a total of 240 credits to be completed. Students complete an 80-credit dissertation at the end of their coursework. The following courses are offered in this programme:

4. List of Courses
Year 1
Core Courses
Semester I

Course Code	Course Title	Credits
EC 659	Applied Microeconomics	16
EC 676	Econometrics Theory and Practice I	16
EC 657	Quantitative Economics	16
Total		**48**

Semester II

Course Code	Course Title	Credits
EC 658	Applied Macroeconomics	16
EC 677	Econometrics Theory and Practice II	16
EC 656	Economic Research and Data Analysis	16
Total		**48**

Elective Courses
Semester I

Code	Course Title	Credits
EC 654	Applied Labour Economics I	16
EC 650	Environmental Economics I	16
EC 646	Managerial Economics I	16
EC 641	Economics of Banking and Insurance I	16
EC 634	International Economics I	16
EC 631	Transport Economics I	16
EC 668	Public Finance I	16
EC 666	Monetary Theory and Practice I	16
EC 688	Health Economics I	16
EC647	Energy Economics I	16
EC 642	Economics of Regulation and Competition Policy I	16
EC 651	Applied Financial Economics I	16
EC 644	Economics of Real Estates, Urbanisation and Informality	16
EC 639	Petroleum Economics	16
EC 633	Mineral Economics	16
Total		**32**

Semester II

Course Code	Course Title	Credits
EC 653	Applied Labour Economics II	16
EC 652	Applied Financial Economics II	16
EC 649	Environmental Economics II	16
EC 648	Energy Economics II	16
EC 645	Managerial Economics II	16
EC 643	Economics of Regulation and Competition Policy II	16
EC 640	Economics of Banking and Insurance II	16
EC 635	International Economics II	16
EC 632	Transport Economics II	16

EC 689	Health Economics II	16
EC 669	Public Finance II	16
EC 667	Monetary Theory and Practice II	16
Total		**32**

Year 2

Course Code	Course Title	Credits
EC 699	Dissertation	80
Overall Total		**240**

PhD PROGRAMMES OFFERED BY THE SCHOOL

1. Introduction

The School offers PhD programmes by thesis, coursework, and dissertation. The PhD (by coursework and dissertation) is a four-year programme organised in collaboration with several Sub-Saharan African universities and supported by the African Economic Research Consortium (AERC). The five (5) host universities that provide core courses for this programme are as follows:

- University of Cape Town, South Africa
- University of Dar es Salaam, Tanzania
- University of Ibadan, Nigeria
- University of Yaoundé II, Cameroon
- Felix Houphouet-Boigny, Côte d'Ivoire

2. Target Group

The programme is designed for graduates who want to gain advanced skills in research, decision-making, planning, and resource exploitation and management.

3. Structure of the Programme

Students must complete six core courses worth 16 credits each, as well as four elective courses worth 16 credits each. Following the taught courses, students must write a dissertation worth 160 credits. This means that 320 credits must be completed to accomplish this programme. The following courses are available:

4. List of Courses

Year 1: Semester I (12 Units)

Course Code	Course Title	Credits
EC 701	Microeconomics I	16
EC 703	Macroeconomics I	16
EC 705	Quantitative Methods I	16
Total		**48**

Semester II (12 Units)

Course Code	Course Title	Credits
EC 702	Microeconomics II	16
EC 704	Macroeconomics II	16
EC 706	Quantitative Methods II	16
Total		**48**

Year 2

Elective Courses (16 Units)

Course Code	Course Title	Credits
EC 711	Agricultural Economics I	16
EC 712	Agricultural Economics II	16
EC 713	Industrial Economics I	16
EC 714	Industrial Economics II	16
EC 715	Labour Economics I	16
EC 716	Labour Economics II	16
EC 717	Health Economics I	16
EC 718	Health Economics II	16
EC 719	Environmental Economics I	16
EC 720	Environmental Economics II	16
EC 721	Monetary Economics I	16
EC 722	Monetary Economics II	16
EC 723	Public Sector Economics I	16
EC 724	Public Sector Economics II	16
EC 725	International Economics I	16
EC 726	International Economics II	16
EC 727	Development Economics I	16
EC 728	Development Economics II	16
EC 729	Econometrics I	16
EC 730	Econometrics II	16
EC 731	Financial Economics I	16
EC 732	Financial Economics II	16
Total		**64**

Course Code	Course Title	Credits
EC 799	Dissertation	160
Overall Total		**320**

UDSE STAFF LIST
Office of the Dean

Associate Professor and Dean
B. K. Mkenda, BA (Lusaka), MA & MPhil (Sussex), PhD (Gothenburg)

Senior Lecturer and Coordinator, Postgraduate Studies
S. L. Kirama, BA, MA, PhD (Dar)

Senior Lecturer and Coordinator, Research and Knowledge Exchange
O. Selejio, BSc, MSc (Morogoro), PhD (Dar)

Lecturer and Coordinator, Undergraduate Studies (including BAED)
V. L. Mughwai, BA (Columbia), MA (Bridgeport) PhD (Beijing)

Senior Lecturer and Coordinator, Gender and Disability
O. Osoro, BA, MA (Gaborone), PhD (Dar)

Lecturer and Coordinator, Practical Training
G. Kibira, BA, MA (Dar), PhD (Cape Town)

Assistant Lecturer and Examination Officer
H.A. Matindanya, BA, MA (Algeria)

Assistant Lecturer and Time Table Officer
S. A. Chang'a, BA (Iringa), MA (Morogoro)

Senior Lecturer and Quality Assurance Officer
J. Mtui, BA, MA, PhD (Dar)

Senior Lecturer and Communication Officer
W. Ngasamiaku, BA, MA, PhD (Dar)

Assistant Lecturer and Sport and Students' Liason Officer
S. A. Chang'a, BA, MA (MU)

Senior Human Resource Officer
L. J. Ngomeni, BA (Dodoma), PhR (Dar)

Office Management Secretary II
A. I. Bakari, Dip (Dar)

Department of Economics
Senior Lecturer and Head
I. M. Pantaleo, BA, MA, PhD (Dar)

Associate Professors
D. Mushi, BA, MA (Dar), MPhil, PhD (Oxford)
***G. Kahyarara, BA, MA (Dar), Cert (Gothenburg), MPhil, PhD(Oxford)
J. Aikaeli, BA, MA, PhD (Dar)

Senior Lecturers
I. M. Pantaleo, BA, MA, PhD (Dar)
***N. Mwamba, BA, MA (Dar), PhD (Nottingham)
H. H. Mwinyimvua, BA, MA, PhD (Dar)
W. Ngasamiaku, BA, MA, PhD (Dar)
K. Mdadila, BA, MA (Dar), PhD (Dublin)
O. Osoro, BA, MA (Gaborone), PhD (Dar)
J. Mtui, BA, MA, PhD (Dar)
R. S. Taylor BA, MA (Dar), PhD (Beijing)

Lecturer
G. Kibira, BA, MA (Dar), PhD (Cape Town)

Assistant Lecturers
*G. P. Lesseri, BA, MA (Dar)
*L. Mimbi, B. A. (Dar)
*J. J. Tibanywana, BA, MA (Dar)
*E. L. Mtenga, BA, MA (Dar)
S. A. Chang'a, BA (Iringa), MA (Morogoro)
R. Semvua, BA, MA (Dar)
*C. Lwiza, BA, MA (Dar)

Tutorial Assistants
W. Salehe, BA (Dar)
S. A. Lozzy, BA (Dar)

Department of Applied Economics
Senior Lecturer and Head
M. Chegere, BA, MA, (Dar), PhD, (Gothenburg)

Associate Professors
***R. B. Lokina, BA, MA (Dar), PhD (Gothenburg)
B. K. Mkenda, BA (Lusaka), MA & MPhil (Sussex), PhD (Gothenburg)

Senior Lecturers
***J. K. Mduma, BA, MA (Dar), PhD (Bonn)
M. Chegere, BA, MA, (Dar), PhD (Gothenburg)
S. L. Kirama, BA, MA, PhD (Dar)
O. Selejio, BSc, MSc (Morogoro), PhD (Dar)

Lecturers
J. Silas, BA, MA (Dar), PhD (Dublin)
V. L. Mughwai, BA (Columbia), MA (Bridgeport), PhD (Beijing)
J. J. Hongoli, BA, MA (Dar), PhD (Seoul)

Assistant Lecturers
*S. Nombo, BA, MSc (Morogoro)
*L. B. Mpombo, BA, MA (Dar)
*W. C. Muangi, BA, MA (Dar)
*A. Semu, BA(Morogoro), MA(Dar)
K. E. Tryphone, BA, MA (Dar)
H.A. Matindanya, BA, MA (Algeria)
D. E. Macha, BA, MA (Dar)

Tutorial Assistant
*A. A. Abdallah, BA (Dar)

*On Study Leave
**On Sabbatical Leave
***On Leave of Absence/Secondment

INTRODUCTION
The Institute of Development Studies (IDS) is the largest and oldest Development Studies Institute in Tanzania and its staff are engaged in teaching, research and public service. It is the pioneer of postgraduate programmes in Development Studies in Tanzania. We at the Institute believe passionately that cutting-edge research, knowledge and mutual learning are crucial in shaping the transformations needed to reduce inequalities, accelerate sustainability and build more inclusive and secure societies. We are committed to collaborating closely with local civil society, governments, international NGOs, citizens, donors, researchers and many others to realise this positive change.

IDS has been working with partners to tackle complex development challenges since 1973. We offer a range of thematically and approach-focused development-biased courses. We aim to sharpen the skills and capabilities of those already working within the development sector, as well as nurture the next generation of development thinkers, policy analysts and development practice leaders.

PROGRAMMES OFFERED BY THE UNIT
The MA programmes by coursework are offered for 18 months; twelve months for coursework and six months for dissertation. The coursework comprises a minimum of 120 credits from both core and elective courses. Moreover, the dissertation consists of 60 credits. Candidates are required to successfully complete the coursework phase before they are allowed to continue with the dissertation phase. The PhD Programme is offered on a thesis mode either through a 36-month full-time track or a 60 months part-time track.

List of Programmes Offered by the Unit

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (USD)
1	Master of Arts in Development Studies	Coursework and Dissertation	Full-time	18 months	4,500,000	6,030
2	Master of Arts in Development Management	Coursework and Dissertation	Full-time	18 months	4,500,000	6,030
3	Master of Arts in Gender Studies	Coursework and Dissertation	Full-time	18 months	4,500,000	6,030
4	Master of Arts in Development Studies	Thesis	Full-time	24 months	4,500,000	8,040
5	Doctor of Philosophy (PhD) in Development Studies	Thesis	Full-time	36 months	4.000,000 per year	4,020 per year
6	Doctor of Philosophy (PhD) in Development Studies	Thesis	Part-time	60 months	4.000,000 per year	4,020 per year

MASTER'S PROGRAMMES OFFERED BY THE UNIT

MASTER OF ARTS IN DEVELOPMENT STUDIES

1. Introduction

The Institute of Development Studies has, been offering a master's degree in Development Studies since its inauguration in 1973. This programme provides an in-depth understanding of development process including various theories, practice as well as global and national policies. In recent years there has been a growing demand for the degree programme as it provides specialised knowledge and skills to analyse development processes. This review is intended to strengthen the programme in comparison with what is offered across the global, within the context Africa and Tanzania in particular.

2. Objective of the Programme

Development Studies is guided by political economy approach. The objectives include critical analysis of the role and efficacy of state policies and intervention of other social actors in addressing development challenges.

3. Entry Requirements

A candidate shall be deemed eligible for consideration for admission into a master's degree in Development Studies if they hold the following qualifications:

i. At least a second-class degree of the University of Dar es Salaam or an equivalent degree from a recognised institution of higher learning. Candidates who hold an unclassified degree (e.g. M.D.) should have at least B grade average in Development Studies.

ii. Candidates with a pass degree may also be considered for admission if:
   a) their undergraduate performance in the proposed subject of study was B grade or higher; or
   b) they have satisfied the Institute of Development Studies with their academic potential through subsequent research experience and /or additional training.

iii. Candidates with a coursework average of B+ or higher in specified postgraduate diplomas may upgrade to registration for a dissertation leading to a relevant master's degree.

4. Programme Structure

The programme is offered on a full-time basis, covering duration of 18 Months. It is delivered through a face-to-face mode, with a combination of lectures, seminars, self-study and assessments. In addition, students will do a research and finally write a dissertation.

5. List of Courses

The following core and elective courses are offered for the MA Development Studies in the two semesters:

Semester I

Course Code	Course Title	Status	Credits
DS 622	Development Theory	Core	12
DS 661	Political Thought for Development	Core	12
DS 690	Research Methodology I	Core	12
DS 646	Environment and Development	Elective	12
DS 647	Science and Technology for Development	Elective	12
DS 648	Population and Development	Elective	12

Semester II

Course Code	Course Title	Status	Credits
DS 629	Political Economy	Core	12
DS 663	Governance and Development	Core	12
DS 691	Research Methodology II	Core	12

DS 626	Rural and Urban Development	Elective	12
DS 627	Health and Development	Elective	12
DS 649	Globalisation and Development	Elective	12
DS 656	Industrialisation and Development	Elective	12
PS 733	Conflict Management in Africa (from Political Science Department)	Elective	12
PS 730	Conflict Resolution and Peace Studies (from Political Science Department)	Elective	12
DS 699	**Dissertation**	**Core**	**60**

6. Programme Assessment Strategy

Course assessment will follow the University of Dar es Salaam postgraduate examination regulations. Continuous Assessment (or Coursework) will carry 50% and the final examination at the end of the semester will take 50%.

MASTER OF ARTS IN DEVELOPMENT MANAGEMENT
1. Introduction
The Institute of Development Studies introduced a Master of Arts in Development Management to further the understanding of development. The programme more particularly addresses the growing international, national and local manpower needs in planning, designing, implementation, monitoring and evaluation of development plans, policies, programmes and projects. It is intended to impart knowledge and skills for translating into reality and implementing international and national policies and plans such as Tanzania's Five-Year Development Plan, and the UN Sustainable Development Goals. This programme provides an in-depth understanding of development process including various theories, policies, practices as well as global and national perspectives.

2. Objectives of the Programme
The programme intends to ensure students are able to:
i.   analyse underdevelopment and interrogate development theories and strategies;
ii.   critically analyse the roles of market, state, civil society and governance in development;
iii.   acquire knowledge and professional skills of analysing, formulating, implementing, monitoring and evaluating development policies, plans, programmes and projects;
iv.   formulate and evaluate development projects; and
v.   conduct research and advance knowledge on challenges and prospects of socio-economic development.

3. Entry Requirements
A candidate shall be deemed eligible for consideration for admission into a master's degree in Development Management if they hold the following qualifications:
i.   At least a second-class degree of the University of Dar es Salaam or an equivalent degree from a recognised institution of higher learning. Candidates who hold an unclassified degree (e.g. MD) should have at least a B grade average in the subject of intended Masters Study.
ii.   Candidates with pass degree may also be considered for admission if:
       a)   their undergraduate performance in the proposed subject of study was a B grade or higher; or
       b)   they have satisfied the Institute of Development Studies their academic potential through subsequent research experience and/or additional training;
iii.   Candidates with a coursework average of B+ or higher in specified postgraduate diplomas may upgrade to registration for a dissertation leading to a relevant Masters degree.

4. Programme Structure
The programme is offered on a full-time basis, covering a duration of 18 Months. It is delivered through a face-to-face mode, with a combination of lectures, seminars, self-study and assessments. In addition, students will do a research and finally write a dissertation.

5. List of Courses

The following core and elective courses are offered for the MA Development Management in the two semesters:

Semester I

Course Code	Course Title	Status	Credits
DS 622	Development Theory	Core	12
DS 665	Political Thought for Development	Core	12
DS 690	Research Methodology I	Core	12
DS 632	Development Policy Analysis and Practice	Elective	12
DS 635	State, Market and Development	Elective	12
DS 636	Poverty Analyses for Development	Elective	12

Semester II

Course Code	Course Title	Status	Credits
DS 629	Political Economy	Core	12
DS 663	Governance and Development	Core	12
DS 691	Research Methodology II	Core	12
DS 637	Development Planning and Practice	Elective	12
DS 638	Development Monitoring and Evaluation	Elective	12
DS 699	**Dissertation**	**Core**	**60**

MASTER OF ARTS IN GENDER STUDIES

1. Objective of the Programme

The main objective of the programme is to produce competent graduates in the field of Gender and Development who are capable of handling complex social, economic, political, legal and cultural issues that require gender insights and to meet up labour market needs in the country and beyond.

2. Entry Requirements

A candidate shall be deemed eligible for consideration for admission into a master's degree in Gender Studies Degree Programme if they hold the following qualifications:

i.   At least a second-class degree of the University of Dar es Salaam or an equivalent degree from a recognised institution of higher learning.

ii.   Candidates with a pass degree may also be considered for admission if:
   a)   their undergraduate performance in the proposed subject of study was a B grade or higher; or
   b)   they have satisfied the Institute of Development Studies of their academic potential through sub-sequent research experience and/or additional training.

iii.   Candidates with a coursework average of B+ or higher in specified postgraduate diplomas may upgrade registration for a dissertation leading to an MA Gender Studies

3. Programme Structure

The programme is offered on a full-time basis, covering a duration of 18 Months. It is delivered through a face-to-face mode, with a combination of lectures, seminars, self-study and assessments. In addition, students will do a research and finally write a dissertation.

4. List of Courses

The following courses are offered for the MA Gender Studies in the first and second semesters.

Semester I

Core Courses

Course Code	Course Title	Status	Credits
DS 622	Development Theory	Core	12
DS 661	Political Thought for Development	Core	12
DS 671	Gender, Culture and Development	Core	12
DS 672	Feminist Paradigms and Emerging Theories	Core	12
DS 690	Research Methodology I	Core	12

Semester II

Course Code	Course Title	Status	Credits
DS 629	Political Economy of Development	Core	12
DS 643	Gender, Resource Management and Development	Core	12
DS 644	Gender Mainstreaming and Development	Core	12
DS 663	Governance and Development	Core	12
DS 691	Research Methodology II	Core	12
DS 699	**Dissertation**	**Core**	**60**

Elective Courses

Course Code	Course Title	Status	Credits
DS 632	Development Policy Analysis and Practice	Elective	12
DS 627	Health and Development	Elective	12
DS 670	Gender, Governance and Development	Elective	12
DS 647	Science and Technology for Development	Elective	12
DS 626	Rural and Urban Development	Elective	12
DS 637	Development Planning and Practice	Elective	12
DS 638	Development Monitoring and Evaluation	Elective	12

5. Assessment of the Programme

Coursework assessment for each course: 50%
Final examination for each course: 50%

DOCTOR OF PHILOSOPHY (PhD) IN DEVELOPMENT STUDIES

1. Structure and Duration

The current PhD programme is based on research and writing of a thesis. This is done under close supervision and lasts for three years. Development studies being interdisciplinary, candidates can select research topics for their theses from issues of development significance especially, but not limited to, the IDS research agenda.

2. Assessment of the Programme

The thesis is evaluated by External and Internal Examiners and subsequently by a Viva Voce Panel. The PhD thesis is graded.

IDS STAFF LIST

Senior Lecturer and Director
C. T. Msoka, BA, MA (Dar), PhD (Minnesota)

Professor
S.O. Maluka BA Ed (Dar) MA
(Dar) PhD (Umea)

Senior Lecturers
C. T. Msoka, BA, MA (Dar), PhD (Minnesota)
S. K. Mbirigenda, Dip (Nairobi), BA (Rome), MA, PhD (Dar)
H. R. Makundi, BSc, PGD (Dar), MSc. (Sussex), PhD (KU-Leuven)
L. J. Raphael, Dip (Marangu), BEd, MA, PhD (Dar)
K. K. Manara, BA (Iringa), MA (Uppsala), PhD (Dar)
G. H. Rubakula, BEd. (Dodoma), MPA, PhD (China Univ. Geosciences)

Lecturers
F. C. Silangwa, Dip (Korogwe), BEd (Dar), MA (Dar), PhD (Cologne)
R. B. Ndesanjo, BA, MSc, PhD (Dar)
L. V. Mtasingwa, BA (Mwanza), MA (Dar), MA (Edinburg), PhD (Dar)
J. V. Msinde, BSc, MA (Dar), PGD (ESRF-ISS), PhD (SUA)
P. E. Mlinga, BA (Dar), MA (Seoul) PhD (Leipzig)
P. I. Japhet, BA, MA PhD (Dar)
P. M. Katto, BA, MA (Dar) PhD (Alberta)
V. J. Mwaijande BSc (Morogoro) MA (Dar) PhD (Morogoro)

Assistant Lecturers
V. H. Mhanga, BA, MA (Dar)
*W. B. Msebeni, BA, MA (Dar)
*E. J. Pallangyo, BA, MA (Dar)
*I. Y.Majenda, BA, MA (Dar)
*O. Thabit, BA, MA (Dar)
*S. B. Emmanuel, BA, MA (Dar)
J. J. Helberth, Dip (Morogoro), BEd (Morogoro), MSc (Dar)
*A. O. Sanga, BA, MA (Dar)
*J. M. Beteri, BA, MSc (Dar)
*L.S. Msabaha, Dip (Morogoro), BEd (Dar), MSc (Dar)
*A. M. Igangula, Bsc (Dar), MEng (China)
*S. A. Mgoba, BA, MA (Morogoro)
*A. I. Issa, BA, MA (Dar)
A. T. Mgogo Dip (Arusha) BA (Moshi), MA (Dar)
*E. M. Nganoga, BA, MA (Dar)
H. R. Moka, BA MA (Dar)
*I. H. Musa, BAED, MA (Dar)

Tutorial Assistants
M. M. Zacharia, BA (Dar)

*F. Msola, BA (Dar)
M. J. Andrew BA (Dar)
R.J. Baguma, BA (Dar)

Principal Human Resource Officer I
R. R. Ngeve, B Com (Dar) MBA (Dodoma)

Librarian
I. A. Kichungo, Dip (Bagamoyo)

Senior Procurement Officer
J. N. B. Mwiguta, B. P & S (Dar), MSc (Morogoro)

Principal Accountant II
G. E. Sanga, Adv Dip and MBA (Morogoro), CPA(T)

Principal Office Management Secretary I
G. H. Mlay, Dip (Dar)

ICT officer II
C. A. Mwanyombole, CISA, Bsc(Dar)

Senior Records Management Assistant
M. M. Mpambije, Dip (Tabora)

Senior Office Attendant II
J. S. Mwafulilwa, CSEE (Mbeya)

Driver
J. M. Nyamonge CSE & Driving Certificate (Mara)

_____
*On Study Leave

INTRODUCTION
The Institute of Kiswahili Studies (IKS) is unique, in that it is the oldest Kiswahili institute in the world. It was established in 1930 as the Inter-Territorial Language Committee for what was known then as the East African Dependencies. Since that time, the IKS has continued researching into and developing various aspects of Kiswahili literature, language, and culture all over the world. Through its publishing wing - TUKI, the Institute has continued publishing international academic journals with analytical and descriptive articles and critiques; examining and discussing linguistic, literary, and philosophical issues relating to Kiswahili scholarship as well as articles that analyse and discuss issues pertaining to Kiswahili culture and African oral traditions. The institute has also continued publishing creative works, Kiswahili monolingual and bilingual dictionaries, and internationally recognised books on Kiswahili linguistics and literature.

From 2009, IKS established two teaching departments: the Department of Kiswahili Literature, Communication and Publishing, and the Department of Kiswahili Language and Linguistics. In addition, IKS has four research centres dealing with research, Kiswahili language, teaching, and promotion. These are:
  i.   Centre for Kiswahili for Foreigners
  ii.   Centre for Kiswahili Literature and African Oral and Written Traditions
  iii. Centre for Terminologies, Translation, Interpreting and Language Technology
  iv.   Centre for Lexicography and Kiswahili Grammar

These centers make the Institute the most popular educational hub for teaching and orienting foreigners in Kiswahili language and culture.

POSTGRADUATE PROGRAMMES OFFERED BY IKS
The Institute of Kiswahili Studies offers the following postgraduate programmes:

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Others (USD)
Master of Arts in Kiswahili	Coursework and Dissertation	Full-time	18 months	2,750,000	4,615
Master of Arts in Kiswahili	Thesis	Full-time	24 Months	3,700,000	6,150
Doctor of Philosophy (PhD) in Kiswahili	Coursework and Dissertation	Full-time	48 Months	1,975,500 per year	3,075 per year
Doctor of Philosophy (PhD) in Kiswahili	Thesis	Full-time	36 months	2,650,000 per year	3,075 per year
		Part-time	60 months		

Objective of the Programmes
These programmes are designed to prepare experts who will teach Kiswahili courses in higher learning institutions and work in media and publishing companies, governmental institutions, international organisations, regional organisations and other related areas.
The Language of Instruction and thesis/dissertation writing will be Kiswahili.

MASTER'S PROGRAMMES OFFERED BY IKS
MA KISWAHILI BY COURSEWORK AND DISSERTATION
1. Introduction
The coursework component shall cover two semesters that require the student's full-time attendance. The dissertation component shall cover nine months.

2. Entry Requirements/Admission Criteria

To be considered for admission to this programme, a candidate must be a holder of a degree of the University of Dar es Salaam or any other accredited University or one has to satisfy the requirements for the award of such degree.

To be admitted, candidates should have the first degree in humanities and social sciences. The minimum pass level should be a lower second class with GPA of not less than 2.8. Furthermore, candidates must have studied Kiswahili Linguistics and Kiswahili Literature in their first degree.

Once admitted, students will be placed either in Kiswahili Linguistics or Kiswahili Literature depending on their performance in undergraduate level.

3. Duration of the Programme

The MA Kiswahili by coursework and dissertation shall be completed in one and a half years.

4. Overall Programme Assessment

The overall assessment for the MA Kiswahili by coursework and dissertation will be based on the coursework, the final examination and completion of the dissertation. The degree shall not be awarded until the dissertation has been successfully completed.

5. Examination Regulations

In addition to the general University examination regulations, the following regulations shall apply to MA Kiswahili by coursework and dissertation students:

i. All students registered for MA Kiswahili by coursework and dissertation are required to do and pass the core and elective courses of a minimum of 144 credits.

ii. The minimum pass grade for each course including the dissertation will be a B grade. A candidate who fails to attain a GPA of 2.7 shall be discontinued from the programme.

6. Course Structure

All students registered in the MA Kiswahili by coursework and dissertations who want to specialise in Kiswahili Linguistics should study the following courses:

7. List of Courses

Core Courses

Course Code	Course Name	Credits
KI 601	Fonolojia ya Kiswahili	12
KI 602	Mofolojia ya Kiswahili	12
KI 603	Sintaksia ya Kiswahili	12
KI 604	Semantiki na Pragmantiki ya Kiswahili	12
KS 631	Semina ya Uzamili	12
KS 630	Mbinu za Utafiti	12
KS 699	Tasnifu	72

They also should take any two courses from Kiswahili Literature. In addition, students are required to take some of the following electives from Kiswahili Linguistics:

Elective Courses

Course Code	Course Title	Credits
KI 606	Tafsiri: Nadharia na Vitendo	12
KI 607	Miundo Changamani ya Kiswahili	12
KI 608	Masuala ya Kisasa katika Isimu-jamii ya Kiswahili	12
KI 609	Historia na Lahaja za Kiswahili	12
KI 610	Isimu-linganishi na Isimu-historia ya Lugha za Kibantu	12

KI 611	Nadharia za Kujifunza Lugha ya Pili	12
KI 612	Historia ya Isimu ya Kiswahili	12
KI 613	Isimu –tumizi ya Kiswahili	12
KI 614	Leksikografia ya Kiswahili	12
KI 632	Nadharia na Mbinu za Ukalimani	12

All students registered in the MA Kiswahili programme who want to specialises in Kiswahili Literature should study the following courses:

Core Courses

Course Code	Course Title	Credits
KF 615	Riwaya ya Kiswahili	12
KF 616	Tamthilia ya Kiswahili	12
KF 617	Ushairi wa Kiswahili	12
KF 618	Mikabala ya Uhakiki wa Kifasihi	12
KS 631	Semina ya Uzamili	12
KS 630	Mbinu za Utafiti	12
KS 699	Tasnifu	72

They also should take any two courses from Kiswahili Linguistics. In addition, students are required to take some of the following electives from Kiswahili Literature:

Elective Courses

Course Code	Course Title	Credits
KF 619	Mshairi Teule	12
KF 620	Fanani Teule	12
KF 621	Kazi Bora za Fasihi ya Kiswahili	12
KF 622	Wanawake katika Fasihi ya Kiswahili	12
KF 623	Tendi Simulizi na Andishi katika Kiswahili	12
KF 624	Ngano za Kiswahili	12
KF 625	Fasihi ya Majaribio katika Kiswahili	12
KF 626	Fasihi katika Tafsiri ya Kiswahili	12
KF 627	Historia ya Taaluma ya Fasihi katika Kiswahili	12
KF 628	Elimu-miundo ya Fasihi ya Kiswahili	12
KF 633	Uchapishaji katika Kiswahili	12

Dissertation writing is compulsory in the second year of the programme.

MA KISWAHILI BY THESIS

The Institute of Kiswahili Studies offers MA Kiswahili by thesis to interested candidates in the field of Kiswahili. Applicants should have a GPA of 3.5 in their first degree or its equivalent and must have Kiswahili courses in their first degree. Before starting to write their thesis, the candidate has to present a concept paper and be allocated a supervisor. When the research proposal has been approved, the field research and writing of the thesis follows. The candidate must complete their thesis within two years from the date of registration. Extension may be granted due to illness and serious social problems. The candidate will be required to defend their thesis in an oral examination.

PHD PROGRAMMES OFFERED BY IKS
PHD IN KISWAHILI BY THESIS
1. Introduction
The Institute of Kiswahili Studies offers a PhD degree by thesis. The PhD by thesis shall be marked on Pass or Fail basis. The candidate will be required to defend their thesis in an oral examination (viva voce).

2. Programme Application
To apply and register for this programme a candidate is required to submit a concept paper/a research proposal in an area of their interest to the respective department in the Institute. The Departmental Postgraduate Committee examines the application, then it assigns a supervisor to the candidate. The candidate has also to make a presentation of their proposal. After an approval of the proposal by the Graduate Studies Committee, the candidate shall continue with data collection and thess writing.

3. Eligibility for Admission
An applicant must have a master's degree in Kiswahili, Linguistics, Literature, Communication Studies or its equivalent from a recognised university.

4. Duration of the Programme
The programme lasts for three years from the date of registration for a full-time PhD in Kiswahili and six years for a part-time one. The duration can be extended due to illness or social problems. No candidate may be permitted to submit a thesis for the degree of Doctor of Philosophy in Kiswahili in less than two academic year from the date of registration unless saved with the special permission of the Senate.

PhD IN KISWAHILI BY COURSEWORK AND DISSERTATION
1. Introduction
The Institute of Kiswahili Studies also offers a PhD degree by coursework and dissertation which has a duration of four years. A candidate has to complete a total of 540 credits. In the first year, candidates attend classes and take courses with a total of 180 credits. In the first semester of the second year, candidates take a comprehensive examination and in the second semester they write a research proposal and collect data. The last two years candidates write the dissertation. The dissertation has a total of 360 credits. The candidate will be required to defend their thesis in an oral examination (viva voce). All courses are taught in Kiswahili language and dissertation will also be written in Kiswahili language.

2. List of Courses
The distribution of credits is as follows:

Year 1: Semester I
Core Courses

Course Code	Course Title	Credits
KI 703	Semina za Masuala Changamani katika Isimujamii	**30**
KI 704	Semina za Uchambuzi wa Nadharia za Asili na Chimbuko la Kiswahili	30

Elective Courses (Select one course)

Course Code	Course Title	Credits
KI 701	Uchambuzi wa Nadharia za Sintaksia ya Kiswahili	**30**
KI 707	Semina za Nadharia za Mofolojia ya Kiswahili	30
KI 710	Falsafa ya Lugha	30
KI 711	Lugha na Elimu	30

Year 1: Semester II
Core Courses

Course Code	Course Title	Credits
KI 700	Mbinu za Utafiti na Uchambuzi wa Data za Lugha ya Kiswahili	30

Elective Courses (Select two courses)

Course Code	Course Title	Credits
KI 702	Lugha na Siasa	
KI 704	Semina za Nadharia za Semantiki	
KI 705	Nadharia na Tafiti za sasa katika Ujifunzaji wa Kiswahili kama Lugha ya Pili	
KI 706	Masuala Changamani katika Nadharia za Fonolojia	30
KI 709	Semina za Upangaji Lugha	30
		30

Year 2

	(Semester 1) Comprehensive Exam **(Semester 2)** Proposal Writing	360
KI 799	**Year 3 and Year 4:** Dissertation	

IKS STAFF LIST
Office of the Director
Professor and Director
**A. K. Mutembei, BAEd, MA (Dar), MA, PhD (Leiden)

Human Resources Officer I
B.T. Komba, BA in PA (OUT)

Accounts Officers
S. J. Malaba, ADA (Mwanza), PDGFM (Dar), CPA (T)
A. A. Juma, BAC, Dip (Dar)

Marketing Officer
P. M. Kilemile, PGDA (IFM-Dar), BBA (Dar)

Procurement and Supplies Officers
L. M. Khamis, BPLM (Arusha), CPSP (Dar)
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Tutorial Assistant
R. A. Mayemba, BA (Dar)

Department of Literature, Communication and Publishing
Associate Professor and Head
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Professor
**A. K. Mutembei, BAEd, MA (Dar), MA, PhD (Leiden)

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G. C. Kazinja, BA, MA (Dar) PhD (Nanjing)
P. J. Pacho, BA, MA (Dar) PhD (Wuhan)

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D. J. Gongo BAED, MA (Makumira)
E. A. Mgidula BAED, MA (Dar)
S. B. Kusaga BAED, MA (Dar)

*E. J. Duwe, BAEd, MA (Dar)
*C. C. Urassa, BAEd, MA (Dar)
*H. I. Nguli, BA (UDOM), MA (OUT)

Centre for Kiswahili for Foreigners
Lecturer and Coordinator
S. J. Kotira, BA, MA (Dar), PhD (Zhejiang)

Centre for Kiswahili Literature and African Oral and Written Traditions
Lecturer and Coordinator
J. M. Bulaya, BAEd, MA, PhD (Dar)

Centre for Terminology, Translation, Interpreting, and Language Technology
Lecturer and Coordinator
T. M. Ngeme, BAEd, MA (Dar), PhD (Zimbabwe)

Centre for Lexicography and Kiswahili Grammar
Lecturer and Coordinator
M. M. Shembilu, BEd, MA, PhD (Dar)

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*On Study Leave
** Sabatical Leave

INTRODUCTION
The Institute of Marine Sciences (IMS) is located in Zanzibar at Buyu, with a sub-campus in Mizingani Street. The Institute comprises three academic sections, namely, Marine and Coastal Resources Management (MCRM), Marine Technology and Innovation (MTI) and Geosciences, Oceanography and Informatics (GOI). The Institute also has a cross-cutting Information and Communication Technology (ICT) section, which provides GIS services, and houses the National Oceanographic Data Centre (TzNODC) as well as the Marine Education Extension Development (MEED) secton, which is the outreach arm for the Institute. IMS has also established a Mariculture Research Centre in Pangani, Tanga, to increase its geographical presence and extension services in areas related to best practices in finfish pond and cage farming; seaweed farming; crab fattening and pearl farming.

PROGRAMMES OFFERED BY THE INSTITUTE
IMS offers five postgraduate programmes as listed below:
i.   Master of Science in Marine Sciences (MSc) by thesis only
ii.   Master of Science in Marine Sciences (MSc MASC) by coursework and dissertation
iii.   Master of Science in Sustainable Fisheries Management (MSc SUFIM) by coursework and dissertation
iv.   Doctor of Philosophy (PhD) by thesis only
v.   Doctor of Philosophy in Applied Marine Sciences - Fisheries and Mariculture (PhD AMS-FM) by coursework and dissertation

List of Programme Offered by the Unit

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non-Tanzanian (USD)
1	Master of Science in Marine Sciences	Coursework and Dissertation	Full-time	24 months	4,500,000	4,020
2	Master of Science in Marine Sciences	Thesis	Full-time	24 Months	4,500,000	4,020
3	Master of Science in Sustainable Fisheries Management (MSc SUFIM)	Coursework and Dissertation	Full-time	24 months	4,500,000	4, 020
4	Doctor of Philosophy (PhD) in Marine Sciences	Thesis	Fulltime	36 months	2,250,000 per year	4,020 per year
			Part time	60 months		
5	Doctor of Philosophy in Applied Marine Sciences (PhD AMS-FM)	Coursework and Dissertation	Full-time	48 months	2,250,000 per year	4,020 per year

MASTERS PROGRAMMES OFFERED BY IMS

A. MASTER OF SCIENCE IN MARINE SCIENCES BY COURSEWORK AND DISSERTATION

1. Introduction

The Master of Science in Marine Sciences by Coursework and Dissertation is aimed at producing marine scientists with in depthunderstanding of oceanographic processes with specialisation in either Marine and Coastal Resources Management or Marine and Coastal Geo-informatics.

The Marine and Coastal Resources Management specialisation focuses on marine resources management as well as environmental and socio-economic issues. The programme introduces remote sensing and GIS methods as analytical tools for managing the coastal and marine resources. The programme can be seen as a convergent programme in the sense that it links and collaborates with other relevant programmes and basic research and thus giving an opening for multi-disciplinary research. It is hoped that this programme, in collaboration with others, will contribute much in the offshore stock assessment that is poorly known in Tanzania. Students will also be trained to address scientific and socio-economic issues related to coastal and marine resources through an interdisciplinary education in marine science, policy, law, quantitative analysis, databases and modelling.

The Marine and Coastal Geo-informatics specialisation is designed to provide an advanced education in the principles and practice of GIS and remote sensing in marine sciences. The programme comprises taught courses, covering data models and data structures, acquisition and management of data, spatial analysis and modelling, remote sensing, GIS design and implementation issues, GIS programming and customisation as well as database technology. Concepts and techniques are illustrated using case study materials drawn from a variety of application areas. Practical work is undertaken using a variety of open source and free software such as BILKO, ILWIS, BEAM (and others) and commercial software such as ArcGIS and ERDAS Imagine. For the award of this Master of Science, the student must undertake an independent research project and submit as a written dissertation. The dissertation carries a weight of 60 credits.

2. Objectives of the Programme

The programme is aimed at producing marine scientists with general understanding of marine sciences with specialisation in either Marine and Coastal Resources Management or Marine and Coastal Geo-informatics.

3. Entry Requirements

To be eligible for admission to the programme, the applicant should possess a bachelor's degree from any university recognised by TCU, with a background in science subjects relevant to marine sciences such as Physics, Chemistry, Biology and Geology, with an overall GPA of 2.7 (B grade) or higher. Admission may also be based on equivalent qualifications.

4. Programme Structure

All students undertaking a Master of Science in Marine Sciences by coursework and dissertation will be obliged to take four compulsory (core) courses, after which they may specialise in either Marine and Coastal Resources Management or Marine and Coastal Geo-informatics. Each MSc study programme shall start at the beginning of the academic year and ends 24 months later. Beyond these limits, the Senate approval is necessary.

5. List of Courses

Course Code	Course Title	Credits
Core Courses		
GI 602	Research Methodology for Marine Scientists	8
GI 614	Remote Sensing for Marine and Coastal Envi ronment	8
GI 612	GIS for Marine and Coastal Environment	8
OC 610	Applied Marine Geology	8
OC 614	Applied Physical Oceanography	8
MR 608	Marine Conservation Science	8
Specialisation Courses: Marine and Coastal Geo-informatics		
GI 603	Spatial Data Management and GIS Databases	12
GI 606	GIS in Decision Making	8
GI 607	Programming for GIS	8
GI 608	Advanced Spatial Analysis and Modelling	12
OC 611	Applied Marine Geophysics	8
GI 699	Dissertation	12
Specialisation Courses: Marine and Coastal Resources Management		
MR 601	Sustainable Utilisation of Coastal and Marine Resources	12
MR 603	Applied Marine and Coastal Ecology	12
MR 608	Marine Conservation Science	8
MR 610	Economics Valuation of Coastal and Marine Ecosystems	12
MR 699	Dissertation	12
Elective Courses		
GI 609	Case Studies in Remote Sensing	8
GI 611	Case Studies in GIS	8
MR 605	Maritime Policy	8
MR 614	Integrated Coastal Zone Management	8
OC 605	Marine Pollution and Control	8
MR 616	Environmental Assessment I	8
MR 618	Environmental Assessment II	8

6. Programme Evaluation and Examinations

The programme consists of coursework (Part I) and dissertation (Part II). A minimum of 120 credits for coursework must be completed and passed before the candidate embarks on a dissertation phase. Completing a course is defined as obtaining a B grade or higher in the examination. Candidates whose overall GPA is below 2.7 in the coursework part will be discontinued. Candidates whose overall GPA is 2.7 and above in the coursework part shall be allowed to do supplementary examination(s) in the failed courses. A candidate who fails to obtain a GPA of 3.0 or above after supplementary examinations shall be discontinued from studies. Candidates who fail in any supplementary examination and have a GPA of 3.0 and above may be allowed to repeat the failed course(s) within the maximum registration period, but shall be allowed to proceed to the dissertation phase. Such candidate must successfully complete coursework before submitting dissertation for examination

B. MASTER OF SCIENCE IN SUSTAINABLE FISHERIES MANAGEMENT - SUFIM BY COURSEWORK AND DISSERTATION

1. Introduction

Fish and fisheries are an essential part of most communities worldwide as they make significant contributions to their protein budget, health, social and economic well-being. For example, fish provided over 4.3 billion people with about 15% of their animal protein intake in 2010. Fisheries products are used in a wide variety of ways, ranging from subsistence use to international trade where highly sought-after and highly-valued items are traded. The value of fish traded internationally is over USD 130 billion annually, employing over 58.3 million people in 2010. Employment in the fisheries sector during the past 30 years has grown faster than both the world's population and employment in agricultural sector. However, capture fisheries in Tanzania and worldwide has stagnated for over a decade, threatening livelihood and jobs for millions of people particularly from poor families. The stagnation is due to a number of factors including over harvesting, declining fisheries resources and biodiversity, climate change and non-climate induced environmental degradation. Continued contribution of the fisheries sector to global and national food security calls for a wider ecosystem stewardship and improved governance.

Issues on food insecurity include post-harvest losses. About one-third of the total world food produced (1.3 billion tonnes) for human consumption is lost annually. With regard to fisheries, post-harvest losses are contributed by unutilised captured/harvested fish (bycatch), damages and spoils that affect their nutritional value, and the price that deteriorates due to fluctuating market forces.

During 2001-2010, the average annual growth rate of fisheries sub sectors in Tanzania was insignificant (around 4.7%) and the Tanzania Development Vision (TDV) 2025 intends to improve to over 10%. Factors behind the limited contribution of fisheries to the overall GDP and food security include minimal fisherfolk participation in the fisheries value addition chain, unsustainable resource management and poor genetic potential of the local stocks for aquaculture development.

In addressing the situation, the proposed programme intends to promote and encourage, among others:
i.   livelihood/income/food production diversification into non-fishing activities e.g. mariculture and ecotourism;
ii. reducing post-harvest losses and promoting proper processing and value-addition to marine and aquatic products for improved food security and income generation;
iii. participatory multi-sectoral approach to fisheries co-management; and
iv. ecosystem approach to managing fisheries in a sustainable manner.

Development of the proposed MSc in Sustainable Fisheries Management programme took into consideration the dire need of a new generation of fisheries resource managers and experts with comprehensive interdisciplinary approaches to address the increasingly complex challenges affecting fisheries sector sustainability. The programme intends to facilitate development of entrepreneurs, resource managers and academicians with a multidisciplinary outlook on sustainable fisheries management bottlenecks and measures to address them. The experts will have a multidisciplinary (ecology, biology, oceanography, economics, sociology and law) vision of fisheries resources and environment (people - fisheries stocks - habitat/ecosystem - weather/climate interactions), capable of valuating and assessing them using multiple tools (e.g. mathematical simulations, statistics, surveys) so as to propose relevant management measures for sustained habitat and ecosystem outputs of goods and services. The resource managers will be capable of understanding and accounting for the earlier shown interactions, adopting a comprehensive approach called ecosystem-based fisheries management, crucial

in conserving ecosystem healthy essential to the sustainability of our fisheries, and dealing with the increasingly complex challenges facing our oceans.

2. Objectives of the Programme

The programme is aimed at: producing competent and skilled entrepreneurs, resources managers and academicians in the field of fisheries resources assessment and management with the view to fast-tracking TDV 2025; and contributing to the UDSM commitment to resolve constraints to result-delivery in growth driver sectors including fisheries. This is in view of the fact that Tanzania workforce is dominated by low skilled workers (84%), followed by medium skilled (13%) and high skilled workers are insufficient (3%). The TDV 2025 vision of Tanzania with middle-income requires improvements such that low skilled workers are reduced to at least 55%, medium skilled are improved to 33% and high skilled ones are increased to at least 12%.

3. Entry Requirements

To be eligible for admission to the programme, the applicant should possess undergraduate degree from any TCU - recognise University with background in science subjects relevant to marine sciences such as Physics, Chemistry, Biology and Geology, with an overall GPA of 2.7 (B grade) or higher. Admission may also be based on equivalent qualifications.

4. Programme Structure

The programme will be undertaken in 24 months and will comprise two parts namely, coursework and dissertation. All candidates will be required to complete a minimum of 120 credits of coursework part during the first and second semesters; 80 credits from core/compulsory courses and minimum of 40 credits from elective courses. This will be followed by the dissertation phase.

5. List of Courses

Course Code	Course Title	Credits
Core Courses		
SF 601	Marine Ecosystem and Fisheries Resources	8
SF 602	Fish and Invertebrate Biology	8
SF 603	Fish Population Dynamics and Fisheries Ecology	8
SF 604	Fisheries Data Analysis and Statistics	8
SF 605	Fisheries Law and Policy	8
GI 602	Research Methodology for Marine Scientists	8
SF 608	Fish Sampling Techniques	8
SF 609	Fish Stock Assessment	8
SF 610	Fisheries Governance	8
SF 617	Social Science Perspectives in Fisheries Management	8
Elective Courses		
SF 606	Fisheries Oceanography	8
SF 607	Aquaculture	8
SF 611	Ecosystem Approach to Fisheries	8
SF 615	Biophysical interactions in the Marine Environment	12
SF 616	Fisheries Economics	12
GI 612	GIS for Marine and Coastal Environment	8
GI 614	Remote Sensing for Marine and Coastal Environment	8
SF 612	Marine Protected Areas	8

SF 613	Fish Trading and Processing	8
SF 614	Genetics in Fisheries and Aquaculture	12
SF 618	Economics of Renewable Resources	12
GI 605	GIS and Remote Sensing for Marine and Coastal Environment	12
GI 609	Case Studies in Remote Sensing	8
GI 611	Case Studies in GIS	8
MR 601	Sustainable Utilisation of Coastal and Marine Resources	12

6. Programme Evaluation and Examinations

The programme consists of coursework (Part I) and dissertation (Part II). A minimum of 120 credits for coursework must be completed and passed before one embarks on the dissertation phase. Completing a course is defined as obtaining a B grade or higher in the examination. Candidates whose overall GPA is below 2.7 in the coursework part will be discontinued. Candidates whose overall GPA is 2.7 and above in the coursework part shall be allowed to do supplementary examination(s) in the failed courses. A candidate who fails to obtain a GPA of 3.0 or above after supplementary examinations shall be discontinued from studies. Candidates who fail in any supplementary examination and have a GPA of 3.0 and above may be allowed to repeat the failed course(s) within the maximum registration period, but shall be allowed to proceed to the dissertation phase. Such candidate must successfully complete coursework before submitting dissertation for examination

C. MASTER OF SCIENCE IN MARINE SCIENCES BY THESIS

The programme lasts for 24 months and is pursued through research followed by writing a thesis. Some coursework may be taken when directed by the Institute's Postgraduate Studies Committee (IPSC). The student should initially submit a two-page statement of the intended research topic (research concept note), which will guide the Institute in assigning the supervisor. Within four months of registration, the student must develop a comprehensive and substantive research proposal to be presented to the IPSC for assessment and evaluation. Once the IPSC are satisfied with the quality of the proposed research study, a full registration of the student is granted

PHD PROGRAMMES OFFERED BY IMS

A. PhD IN APPLIED MARINE SCIENCES - FISHERIES AND MARICULTURE (PhD AMS - FM) BY COURSEWORK AND DISSERTATION

1. Introduction

Fish and fisheries are an essential part of most communities worldwide and they make significant contributions to their protein budget, health, social and economic well-being. Fisheries products are used in a wide variety of ways, ranging from subsistence use to international trade where highly sought-after and highly-valued items are traded. The value of fish traded internationally is over USD 130 billion annually, employing over 58.3 million people in 2010. Employment in the fisheries sector during the past 30 years has grown faster than both the world's population and employment in agricultural sector. However, capture fisheries in Tanzania and worldwide has stagnated for over a decade due to a number of factors including over-harvesting, declining fisheries resources and biodiversity, climate change and non-climate induced environmental degradation. The continued contribution of the fisheries sector to global and national food security calls for a wider ecosystem stewardship and improved governance. Growing at an average annual rate of 8.8% worldwide and 11.7% in Africa, aquaculture has greatest potential in supplementing future demands for fresh fish, eliminating hunger, promoting health and reducing poverty.

Issues on food insecurity include post-harvest losses. About one-third of the total world food produced (1.3 billion tonnes) for human consumption is lost annually. With regard to fisheries, post-harvest losses are contributed by unutilised captured/harvested fish(bycatch), damages and spoils that affect their nutritional value, and the price that deteriorates due to fluctuating market forces.

During 2001-2010, the average annual growth rate of fisheries sub sectors in Tanzania was insignificant (around 4.7%) and the Tanzania Development Vision (TDV) 2025 intends to improve it to over 10%. Factors behind the limited contribution of fisheries and aquaculture activities to the overall GDP and food security include insufficient and erratic use of science and technology, minimal fisherfolk participation in the fisheries value addition chain, unsustainable resource management and poor genetic potential of the local stocks for aquaculture development.

In addressing the situation, the proposed PhD AMS - FM intends to promote and encourage, among others:

i.   Livelihood/income/food production diversification into non-fishing activities e.g. mariculture and ecotourism;
ii.   Establishment of the scientific basis for production of good quality mariculture seeds, feed and improved management;
iii. Strengthening ecosystem-based adaptation and mitigation of climate induced episodes;
iv.   Reducing postharvest losses and promoting value-addition to marine and aquatic product;
v.   Participatory multi-sectoral approach to fisheries co-management; and
vi.   Ecosystem approach to sustainable fisheries and mariculture management.

Thus, the programme intends to facilitate development of a new generation of entrepreneurs, resource managers and academicians with a multidisciplinary outlook on fisheries and mariculture development bottlenecks and measures to address them.

2. Objectives of the Programme

The programme is aimed at producing competent and skilled fisheries and mariculture experts and professionals; and contributing to the UDSM role as a reliable national source of high calibre entrepreneurs, resources managers and academicians in fisheries and aquaculture subsectors with the view to improve their growth momentum to reach targets of the much cherished TDV 2025. This is in view of the fact that Tanzania workforce is dominated by low skilled workers (84%), followed by medium skilled (13%) and high skilled workers are insufficient (3%). The TDV 2025 of Tanzania attaining a middle-income economy requires improvements such that low skilled workers are reduced to at least 55%, medium and high skilled ones are improved to at least 33% and 12% respectively. It also aims to generate and transmit the research-based knowledge and innovation relevant to, among others, improvement of outputs from fisheries and mariculture subsectors.

3. Entry Requirements

An applicant must hold an MSc degree from any university recognised by TCU, with a background in subjects relevant to marine sciences such as fisheries, aquaculture, biology, zoology, environmental sciences, natural resource management and chemistry. Applicants with equivalent qualifications may also be considered.

4. Programme Structure

The PhD AMS - FM degree programme is designed to run for 48 months (four years). It offers two specialisations, namely mariculture development and marine fisheries management. Both specialisations

consist of the coursework part and dissertation part. The coursework part, which is conducted during the first year, consists of five (5) and six (6) core courses, respectively. For both specialisations, three courses will be offered during the first semester and the remaining two (2) and three (3), respectively will be offered during the second semester. In addition to the core courses, the programme consists of four (4) elective courses, and these are offered during the second semester.

5. List of Courses

Course Code	Course Title	Credits
Specialisation I: Mariculture Development		
Core Courses		
OC 701	Applied Oceanography in Fisheries and Mari- culture	8
CR 702	Socio-economics of Marine Fisheries and Mariculture	8
OC 703	Approaches to Scientific Investigation and Dissemination	8
MD 701	Trends in Mariculture Production and Technology	30
MD 702	Applied Marine Biology and Biotechnology	30
MD 799	Dissertation	360
Elective Courses		
CR 710	Coastal and Marine Governance	15
MD 711	Synergistic Aspects of Fisheries and Mariculture	15
GI 712	Coastal and Marine GIS and Remote Sensing	15
OC 713	Climate Change and Marine Resources Man- agement	15
Specialisation II: Marine Fisheries Development		
Core Courses		
OC 701	Applied Oceanography in Fisheries and Mari- culture	30
CR 702	Socio-economics of Marine Fisheries and Mariculture	30
OC 703	Approaches to Scientific Investigation and Dissemination	30
CR701	Ecosystem Based Approach to Marine Fisheries Management	30
CR 714	Fish Processing Technology and Post-harvest Management	15
CR 723	Fish Biology and Taxonomy	15
CR 799	Dissertation	360
Elective Courses		
CR 710	Coastal and Marine Governance	15
MD 711	Synergistic aspects of fisheries and mariculture	15
GI 712	Coastal and Marine GIS and Remote Sensing	15
OC 713	Climate Change and Marine Resources Management	15

6. Programme Evaluation and Examinations

Students must complete a minimum number of 180 credits after which they will be required to undertake a dissertation research project which is done during the second, third and fourth years. The dissertation is assigned a weight of 360 credits. Thus, the minimum number of credits needed for the students to graduate under the Doctor of Philosophy in Applied Marine Sciences by coursework and dissertation programme is 540 credits. During the coursework part of the programme, courses offered will be assessed through continuous assessment (written assignments/tests, seminar presentations, practical training) and the University Examinations (UE). The continuous assessment will carry 40% while the UE will carry a maximum of 60%. A pass mark for each examinable course shall be 50% (B grade).

B. PhD IN MARINE SCIENCES BY THESIS ONLY

The duration of the programme is three years for full-time candidates and five years for part-time candidates. The student should initially submit a two-page statement of the intended research topic, which will guide the department in assigning a supervisor. After this initial process, the student is required to develop (within six months) a comprehensive and substantive research proposal to be presented to the IPSC for assessment and evaluation. Once the IPSC is satisfied with the quality of the proposed research study, full registration of the student is granted.

IMS STAFF LIST

Office of the Director

Senior Lecturer and Director
 M. M. Mangora, BSc, MSc (Morogoro), PhD (Dar)

Lecturer and Academic Coordinator
 B. M. Yahya, BSc, MSc, PhD (Dar)

Lecturer and Coordinator, Research, Knowledge Exchange and Innovation
B. A. Tarimo, BSc (Morogoro), MSc (Dar), PhD (Stockholm)

Principal Accountant and Head of Finance
A. S. Sabour, PGD, AD (Accounts), MSc, CPA (T) (Dar)

Senior Assistant Supplies Officer II
A.E. Kasambala, Cert (Mbeya), Dip (Dar), Adv Dip (Dar), PSPTB Graduate (Dar)

Heads of Sections
Lecturer and Head of Marine and Coastal Resources Management (MCRM)
M. S. Shalli, BSc, MSc (Morogoro), PhD (Dar)

Lecturer and Head of Marine Technology and Innovation (MTI)
F. P. Mmanda, BSc (Morogoro), MSc (Ningbo), PhD (Uppsala)

Head of Geosciences, Oceanography and Informatics (GOI)
 R. A. Sabuni, BSc (Dar), MSc, PhD (Ibadan)

Coordination
Lecturer and Coordinator, Postgraduate Studies
R. O. Ismail, BSc, MSc (Dar), PhD (Stockholm)

Lecturer and Coordinator, Undergraduate Studies
R. A. Kitula, BSc, MSc, PhD (Morogoro)

Lecturer and Coordinator, Research and Training, Pangani Mariculture Center (PMC)
 M. M. Mapombe, BSc (Morogoro), MSc, PhD (Dar)

Senior Lecturer and Coordinator, Blue Economy Committee (BEC)
M. S. Shalli, BSc, MSc (Morogoro), PhD (Dar)

Assistant Lecturer and Coordinator, Information and Communication Technology (ICT) and Library Services
*K. J. Kamnde, BA (Dar), MSc (Twente)

Lecturer and Coordinator, Quality Assurance and Curriculum Development
 D. J. Msangameno, BSc (Dar), MSc (Aas), PhD (Dar)

Laboratory Scientists and coordinator, Estates Services
 M. K. Maalim, BSc (Dar), MSc (Ryukyus), PhD (Dar)

Principal Technician and Coordinator, Laboratory Services and Field Operations
M. M. Mwadini, Dip (Bagamoyo), BSc (Dar)

Marine and Coastal Resources Management Section (MCRM)
Lecturer and Head of Section
 M. S. Shalli, BSc, MSc (Morogoro), PhD (Dar)

Senior Lecturers
M. S. Kyewalyanga, BSc (Dar), MSc, PhD (Dalhousie)
M. M. Mangora, BSc, MSc (Morogoro), PhD (Dar)
M. S. Shalli, BSc, MSc (Morogoro), PhD (Dar)

Lecturers
D. J. Msangameno, BSc (Dar), MSc (Aas), PhD (Dar)
R. O. Ismail, BSc, MSc (Dar), PhD (Stockholm)
B. A. Tarimo, BSc (Morogoro), MSc(Dar), PhD (Stockholm)

Assistant Lecturers
*H. J. Kizenga, BSc, MSc (Dar)
*A. P. Rubekie, BSc, MSc (Dar)
H. A. Nyangasa, BSc, MSc (Morogoro)
*F. J. Peter, BSc, MSc (Dar), MSc (Brussels)
*J. J. Wegoro, BSc, MSc (Dar)

Tutorial Assistants
S. A. Ngirini, BSc (Dar)
F. A. Salim, BSc (Dar)
*T. M. Yahya BSc (Morogoro)
J. A. Abel, BSc, (Morogoro)
M. P. Mtunge BSc (Morogoro)

Laboratory *Scientist*
O. M .Rajabu, BSc (Dar)

Laboratory Technicians
M. M. Mwadini, Dip (Bagamoyo), BSc (Dar)
F. S. Swedi, Dip, BSc (Dar)

Marine **Technology and Innovation Section (MTI)**
Lecturer and Head of Section
F. P. Mmanda, BSc (Morogoro), MSc (Ningbo), PhD (Uppsala)

Senior Lecturers
***A. J. Mmochi, BSc (Dar), MSc (Ryukyus), PhD (Dar)
***M. S. P. Mtolera, BSc, MSc (Dar), MSc (Las Palmas), PhD (Uppsala)
L. J. Chauka, BSc (Dar), MSc (Addis Ababa), PhD (Dar)
Lecturers
R. A. Kitula, BSc, MSc, PhD (Morogoro)
M. M. Mapombe, BSc (Morogoro), MSc, PhD (Dar)

Assistant Lecturers
*C. H. Matemu, BSc (Dar), MSc (Florida)
*J. O. Ntagunda, BSc, MSc (Dar)
J. T. Juma, MSc (Dodoma)

Tutorial Assistants
I. E. Mgata, BSc (Dar)
M. R. Juma, BSc (Dar)
T. S. Kahale, BSc (Dar)

Laboratory *Scientists*
M. K. Maalim, BSc (Dar), MSc (Ryukyus), PhD (Dar)
L.M. Sindato, BSc (Morogoro)

Laboratory Technicians
D. A. Abel, Dip (Mwanza), BLTM (Dar)
K. E. Sangande, Dip (Arusha)

Seaman
M. A. Khamis

Geosciences, Oceanography and Informatics Section (GOI)
Lecturer and Head of Section
R. A. Sabuni, BSc (Dar), MSc, PhD (Ibadan)

Associate Professor
***M. M. Nyandwi, BSc (Dar), MSc (Wales), Dr. rer. nat. (Bremen)

Lecturer
R. A. Sabuni, BSc (Dar), MSc, PhD (Ibadan)

Assistant Lecturers
*V. C. Swai, BSc (Dar), MSc (Brussels)
*K. J. Kamnde, BA (Dar), MSc (Twente)
*G. B. Ngomano, BSc (Dar), MSc (Ibadan)

Tutorial Assistants
K. M. Mwita, BSc (Dar)
M. M. Mwasampeta, BSc (Dar)
E. L. Agwanda, BSc (Dar)
T. B. Paschal, BSc (Dar)
R. Hamis, BSc (Dar)
E. K. Paul, BSc (Dar)

Laboratory Technicians
N. E. Kimambo, Dip (Mbeya)
D. R. Richard, Dip (Dar)

Others
Library
Senior Library Officer
F. A. Uki, BA, MA(Dar)

Library Officer II
H. S. Nova, Dip, BSc (Morogoro)

Library Assistant II
J. A. Ngulangwa, Cert (Dar)

Registry
Records Management Assistant II
M. A. Mhando, Cert, Dip (Zanzibar)

Transport
Drivers II
K. J. Said, Cert (Moshi)
H.S. Chilumba, Cert (Dar)
***H . M. Chuom, Cert (Zanzibar)

Finance
Senior Accounts Officer I
R. Z. Hamad, Adv. Dip (Dar)

Account Assistants II
G. S. Elias, Dip (Dodoma)
***A . N. Seif, Cert (Zanzibar)

Office Management
Office Management Secretaries
Z. N. Salum Cert, Dip (Zanzibar)
Z. O. Shurua, Dip (Tanga)
S. K. Chilowe, Dip (Dar)

Supplies Officer II
R. H. Maulidi, BSc, (Morogoro)

Administrative Officer II
H. J. Mwamlima, BSc (Moshi)

Dean of Students Office
Warden I
F. M. Juma, BSc (Dar)

Janitor II
S. I. Mgaya, Dip (Tarime)

ICT
Assistant ICT officer
***Y. R. Hussein, Dip (Dar)

Dispensary
Clinical Officers I
A. M. Khamis, Dip (Zanzibar)
B. E. Kilanga, Dip (Morogoro)

Clinical Officer II
A. N. Mtana, Dip (Kigoma)

Senior Assistant Technologist II
H. R. Mabula, Cert (Dar)

Assistant Nursing Officer II
T. A. Salim, Dip (Zanzibar)

Auxiliary Police
Assistant Inspector
M. O. Khatibu, Basic Cert (Morogoro), Inspector (Dar)

Auxiliary Police Corporals
S. F. Akil, Basic Cert, Sergeant Cert (Morogoro)
Z. A. Tabu, Basic Cert, Sergeant Cert (Morogoro)
A. I. Mohamed, Basic Cert, Sergeant Cert (Morogoro)

Auxiliary Police Constables
S. A. Said, Basic Cert (Morogoro)
R. G. Khalid, Basic Cert (Morogoro)

Office Attendants
***M. M. Fred,Cert.(Dar)
***A. H. Mkadamu, Basic Cert (Zanzibar)

_____
*   On Study Leave
**   On Sabbactical
***   On Contract

INTRODUCTION

The Institute of Resource Assessment (IRA) offers five postgraduate programmes related to natural resource assessment and management. The programmes are: MSc in Natural Resource Assessment and Management (MSc NARAM), MSc in Climate Change and Sustainable Development (MSc CC & SD), Doctor of Philosophy (PhD NARAM) by thesis, Doctor of Philosophy (PhD CC & SD) by thesis, and Doctor of Philosophy (PhD NARAM) by coursework and dissertation.

POSTGRADUATE PROGRAMMES OFFERED BY THE INSTITUTE OF RESOURCE ASSESSMENT (IRA)

Table 1: Postgraduate Programmes Offered:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non-Tanzanian (USD)
1	Master of Science in Natural Resource Assessment and Management	Coursework and Dissertation	Full-time	18 months	4,500,000	6,030
		Thesis		24 months		
2	Master of Science in Climate Change and Sustainable Development	Coursework and Dissertation	Full-time	18 months	4,500,000	6,030
		Thesis		24 moths		
3	Doctor of Philosophy (PhD) in Natural Resource Assessment and Management	Coursework and Dissertation	Full-time	48 months	2,500,000 per year	4,020 per year
		Thesis		36 months	2,500,000 per year	4,020 per year
7	Doctor of Philosophy (PhD) in Climate Change and Sustainable Development	Thesis	Full-time	36 months	2,500,000 per year	4,020 per year

MASTER'S PROGRAMMES OFFERED BY IRA
MASTER OF SCIENCE IN NATURAL RESOURCE ASSESSMENT AND MANAGEMENT
1. Programme Structure

The entire programme which takes 18 months requires a student to acquire a minimum of 180 credits. In the first and second semesters, the student will take six core courses and four electives, selecting two elective courses per semester, thus a total of 120 credits. In addition, the student in the last six months will write a dissertation with 60 credits (Table 2).

2. Duration of the Programme
The programme takes 18 months.

3. Assessment of the Programme

Coursework will carry 40% while the final examination will take 60% of the total marks. A dissertation will also be graded. The General UDSM Examination Regulations for postgraduate programmes will also be applied.

4. List of Courses

Table 2: Course Distribution

Semester I			
Course Code	**Course Title**	**Status**	**Credits**
RM 607	Applied Ecology	Core	12
RM 609	Perspectives in Natural Resources and Environmental Management	Core	12
RM 612	Contemporary Issues in Natural Resources Management	Core	12
RM 605	Development Planning in Natural Resources Management	Elective	12
RM 608	Climate Change and Variability	Elective	12
CC 600	***Science of Climate Change	Elective	12
CC 602	***Vulnerability and Impacts of Climate Change	Elective	12
Semester II			
RM 606	Tropical Ecosystems Management	Core	12
RM 610	Integrated Research Methodologies	Core	12
RM 611	Environmental Assessment	Core	12
RM 604	Population, Development and Environment	Elective	12
CC 604	***Climate Change Governance	Elective	12
CC 605	***Environment, Sustainable Development and Climate Change	Elective	12
Semester III			
RM 699	Dissertation	Core	60
*NB: *** Courses offered in other Academic programme*			

MASTER OF SCIENCE IN CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT (MSc CC&SD) BY COURSEWORK AND DISSERTATION

1. Programme Structure

The MSc CC & SD is the 18-month programme. To graduate, a student will be required to acquire a minimum of 180 credits. In the first and second semesters, the student will take six core courses and four elective courses (two elective courses per semester) providing a total of 120 credits. In the third semester, the student will write a dissertation which carries 60 credits (Table 3).

2. Entry Requirements

University of Dar es Salaam admission regulations will apply for this programme. Students seeking admission to the M.Sc. in Climate Change and Sustainable Development programme must hold an honours degree of relevant subject from the University of Dar es Salaam or an equivalent degree from TCU recognised University

3. Duration of the Programme
The programme takes 18 months.

4. Assessment of the Programme
The coursework and the final examination will take 50% each. A dissertation will also be graded. The General UDSM Examination Regulations for postgraduate programmes will also be applied.

Table 3 Course Distribution

Semester I			
Course Code	**Course Title**	**Status**	**Credits**
CC 600	Science of Climate Change	Core	12
CC 602	Vulnerability and impacts of Climate Change	Core	12
CC 603	Response to Climate Change	Core	12
CC 606	Ecosystems Management	Elective	12
CC 607	Climate Change, Food and Water Security	Elective	12
CC 609	Climate Change and Gender	Elective	12
CC 613	Climate Change and Engineering	Elective	12
RM 604	*** Population, Development and Environment	Elective	12
GE 621	*** Urban and Rural Planning	Elective	12
Semester II			
CC 601	Research Methodology: Methods & Techniques	Core	12
CC 604	Climate Change Governance	Core	12
CC 605	Environment, Sustainable Development and Climate Change	Core	12
CC 608	Infrastructure, Energy Systems and Climate Change	Elective	12
CC 610	Communicating Climate Change	Elective	12
CC 611	Economics of Climate Change	Elective	12
CC 614	Climate Change and Human Security	Elective	12
CC 615	Climate Change and Environmental Impact Assessments	Elective	12
Semester III			
CC 669	Dissertation	Core	60
NB: *** *Courses offered in other academic programmes*			

MASTER OF SCIENCE IN NATURAL RESOURCE ASSESSMENT AND MANAGEMENT (MSc NARAM) BY THESIS

1. Introduction
M.Sc (NARAM) by thesis is offered through research followed by writing a thesis.

2. Entry Requirements
A candidate should have at least an Honours upper second degree in a relevant field.

3. Duration of the Programme
The registration period for the MSc NARAM) by thesis is 24 months

4. Assessment: The Thesis is graded

MASTER OF SCIENCE IN CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT (MSc CC&SD) BY THESIS

1. Introduction
MSc CC&SD by thesis is offered through research followed by writing a thesis.

2. Entry Requirements
A candidate should have at least an Honours upper second degree in a relevant field.

3. Duration of the Programme
The registration period for the M.Sc. (CC & SD) by Thesis is 24 months.

4. Assessment: The thesis is graded.

PhD PROGRAMMES OFFERED BY IRA
DOCTOR OF PHILOSOPHY (PhD) IN NATURAL RESOURCE ASSESSMENT AND MANAGEMENT (NARAM) BY COURSEWORK AND DISSERTATION

1. Courses Structure
The entire programme requires a student to take a minimum of 600 credits (240 credits for Coursework and 360 credits for Dissertation), covering six (6) core courses which are compulsory and six (6) courses are elective. Prior to embarking to fieldwork for dissertation part of the PhD programme, the student will undertake a comprehensive examination which will be held after completion of all required coursework. The purpose of this examination will be to test the student's grasp of the chosen field of study as a whole, and the student's ability to communicate their understanding of a specific theme. The IRA higher degrees' committee will set and judge this examination in a manner that is compatible with the UDSM regulations.

2.Entry Requirements
University of Dar es Salaam admission regulations will apply. In addition, students seeking admission for PhD NARAM must possess a relevant master's degree from TCU recognised university.

3. Duration of the Programme
The programme takes 48 months.

4. Assessment of the Programme
The coursework and the final examination will take 50% each. A dissertation will also be graded. The General UDSM Examination Regulations for postgraduate programmes will also be applied.

Distribution of Courses and Credits
Year 1: Semester I

Course Code	Course Title	Status	Credits
RM 700	Applied Ecology and Ecosystem Management	Core	24
RM 701	Natural Resources Governance	Core	24
RM 702	Development and Natural Resource Management	Core	24
RM 706	Renewable and Non-renewable Energy Resources	Elective	24
RM 707	Climate Change and Development	Elective	24
EV 722*	Water Resources and Soil Management	Elective	24

Year 1: Semester II

Course Code	Course Title	Status	Credits
RM 703	Human Dimensions in Natural Resources management	Core	24
RM 704	Research Methods in Natural Resources Assessment and Communicating Research Findings	Core	24
RM 705	Agriculture and Food Security in a Changing Environment	Core	24
RM 709	Environment and Natural Resource Economics	Core	24
RM 710	Gender and Natural Resources Management	Core	24
GE 715*	Environmental Disaster Risk Management and Development	Core	24

Second, Third and Fourth Years

Course Code	Course Title	Status	Credits
RM 799	Dissertation	Core	360
Comprehensive Examination		Core	PASS

* Course offered in other academic programmes

DOCTOR OF PHILOSOPHY(PhD) IN NATURAL RESOURCE MANAGEMENT AND CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT(CC & SD) BY THESIS

1. introduction
The PhD (NARAM) and PhD (CC & SD) programmes by thesis are offered through research, followed by writing a thesis.

2. Entry Requirements
A candidate should have at least an Honours upper second degree in a relevant field.

3. Duration of the Programme
The duration of each of the programme is 48 months (i.e. four years)

4. Assessment: By coursework (50%) and dissertation (50%)

IRA STAFF LIST
Associate Professor and Director
J. N. Kirway, BSc (Dar), MSc (Dar), PhD (Yokohama)

Professor
P. Z. Yanda, BSc (Dar), Dip, MSc (Norway), PhD (Stockholm)

Associate Professor
A. E. Majule, BSc (Morogoro), PhD (Reading)

Lecturer and Coordinator at CCCS
E. B. Mabhuye, BA (Dar), MSc, PhD (Dar)

Postgraduate Studies, NARAM
Senior Lecturer and Coordinator
C. A. Masao, BSc (Dar), MSc (UK), PhD (Morogoro)

Quality Assurance, NARAM
Senior Lecturer and Coordinator
J. Perfect, BSc (Morogoro), MSC (Addis Ababa), PhD (Norway)

Quality Assurance, CC & SD
Lecture and Coordinator
V. H. Moshy, BA, MA (Dar). PhD (Norway)

Senior Lecturers
*E. T. Liwenga, Dip (Uyole, BSc (Morogoro), PGD MSc (Norway), PhD (Stockholm)
J. G. Lyimo, BSc, (Morogoro). PGD, MSc (Norway), PhD (Copenhagen)
N. M. Pauline, BSc (Morogoro), MSc (Dar), PhD (Wits)
C. A. Masao, BSc (Dar), MSc (UK), PhD (Morogoro, Tanzania, in Sandwich with Oslo, Norway)
J. Perfect, BSc (Morogoro), MSC (Addis Ababa), PhD (Norway)
P. M. Ndaki, BSc, MA (Dar), PhD (Oldenburg)

Lecturers
E. B. Mabhuye, BA, MSc, PhD (Dar)
E. Alavaisha, BSc, MSc (Dar), PhD (Stockholm)
G. S. Malley, BA Geog. & Env., MSc NARAM (Dar), PhD (Pennsylvania)

Assistant Lecturers
E. E. Hanai, BSc, MSc (Dar)
*M. Kasebele, BSc (Dar), MSc (Dar)
*F. Chengula, BA (Dar), MSc (Dar)
*R. D. Kalokola, BA (Dar), MSc (Dar)
A. Mapamba, BA (Dar), MEc (China)

Senior Administrative Officer I
Beatrice Alexander

Senior Accounts Officer I
T. Lauwo, AdvDip (Moshi)

Accounts Officer II
G. D. Bugingo, BACC (Dar)

Senior Procurement Officer I
G. S. Kassara, ADPSM (Dar), MBA (Morogoro)

Senior ICT Officer I
C. P. Kikwaya, BSc, MSc (Dar)

Principal Laboratory Scientist II
O. S. Mwakimi, BSc (Dar), MSc (Dar)

Senior Cartographic Technician I
T. I. Mndeme, Cert (Tabora), Dip (Dar)

Senior Cartographic Technician I
A. P. Mushi, Dip (Denmark), BSc (Dar)

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*On Secondment
**On Study Leave

INTRODUCTION

Dar es Salaam University College of Education (DUCE) is one of the Constituent Colleges of the University of Dar es Salaam that was established in 2005. The College has three faculties, namely: Faculty of Education (FoEd), Faculty of Humanities and Social Sciences (FoHSS), and Faculty of Science (FoS). The Faculty of Education has two departments: the Department of Educational Psychology and Curriculum Studies and the Department of Educational Foundations, Management, and Lifelong Learning. The Faculty of Humanities and Social Sciences has three departments: the Department of Languages and Literature; the Department of History, Political Science and Development Studies; and the Department of Geography and Economics. The Faculty of Sciences has three departments: The Department of Chemistry; the Department of Physics, Mathematics, and Informatics; and the Department of Biological Sciences.

STUDENTS' GENERAL INFORMATION

Student Administration

The office of the Students Services Directorate (SSD) is in charge of all matters that involve Student's life at the College. The units under SSD include Accommodation, Student Governance, Health and Catering, Guidance and Counselling Worship, and Sports and Games. The Dean of Students also assists the Deputy Principal (Planning, Administration, and Finance) in students' disciplinary matters.

Residence

The College has in-campus and off-campus accommodation facilities for postgraduate students that are available at a reasonable price and on the application before the beginning of the academic year. For Accommodation Applications visit www.aris3.udsm.ac.tz First-year students are advised to process their applications for accommodation during the orientation period. There are also private hostels available for Students for more details visit Accommodation Office located at Kijiji B house Number 1 or DARUSO Offices.

Student Activities

Most of the students' activities are organised by DARUSO-DUCE, the students' union. DARUSO is concerned with thestudent's academic, political, social and recreational activities.

Games and Sports

DUCE has adequate sporting facilities ranging from soccer pitches to netball and basketball courts. The College pays much attention to students' mental and physical health by encouraging and supporting their participation in sporting events and activities.

Catering and Health Unit

Health and catering Unit supervises sanitation in all catering services and aassists sick students in collaboration with Collee Dispensary to find medical treatment. The office is located at Kijiji B house number 1.

Guidance and Counseling

The guidance and counselling unit provides personal and group counselling on all academic, medical and psychosocial issues. For assistance, the unit is located at kijiji B, House number 2.

Special Needs Education Unit

Special needs Education services are offered under the Faculty of Education through Special Needs Educational Unit. The Unit is located in the Faculty of Education Building. Services are offered to students with Visual impairment (Total blind or low vision), Hearing impairment (deaf and hard of hearing) and severe physical challenges.

Medical Services

DUCE runs a dispensary that provides preventive, curative and restorative health services to the students, staff and general public. The dispensary is located within the College Campus. To ensure smooth access to the services offered by the College's dispensary, every student is advised to have medical insurance cover by a recognised insurance company.

LIST OF POSTGRADUATE PROGRAMMES OFFERED BY THE COLLEGE

The College offers several postgraduate programmes as shown in the table below:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non-Tanzanian (USD)
1.	Postgraduate Diploma in Education (PGDE)	Coursework and Research Report	Evening	12 months	2,750,000	3,075
2.	Postgraduate Diploma in Education (PGDE)	Coursework and Research Report	Online	12 months	2,000,000	2,237
3.	Postgraduate Diploma in Guidance and Counselling (PGD-GC)	Coursework and Counselling Practicum Report	Fulltime (Regular)	12 months	2,750,000	2,000
4.	Postgraduate Diploma in Guidance and Counselling (PGD-GC)	Coursework and Counselling Practicum Report	Fulltime (Online)	12 months	2,000,000	1,500
5.	Master of Arts with Education	Coursework and Dissertation	Regular	24 months	4,000,000	6,150
6.	Master of Arts with Education	Thesis	Regular	24 months	4,000,000	6,150
7.	Master of Science with Education	Coursework and Dissertation	Regular	24 months	4,250,000	3,500
8.	Master of Arts in Public Administration	Coursework and Dissertation	Evening	24 months	5,000,000	6,030
9.	Master of Education in Educational Leadership and Policy Studies (ME-ELPS)	Coursework and Dissertation	Regular	18 months	4,000,000	3,000

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee Tanzanian (TZS)	Non-Tanzanian (USD)
10.	Master of Education in Educational Leadership and Policy Studies (ME-ELPS)	Coursework and Dissertation	Online	18 months	3,200,000	2,500
11.	Master of Education in Curriculum Studies (MED-CS)	Coursework and Dissertation	Regular	18 months	4,000,000	3000
12.	Master of Education in Curriculum Studies (MED-CS)	Coursework and Dissertation	Online	18 months	3,200,000	2,500
13.	Master of Arts in Development Evaluation	Coursework and Dissertation	Regular	18 months	4,000,000	3000
14.	Master of Science in Environmental Biology	Coursework and Dissertation	Regular	24 months	4,250,000	3,500
15.	Master of Science in Industrial Chemistry	Coursework and Dissertation	Regular	24 months	4,250,000	3,500

FACULTY OF HUMANITIES AND SOCIAL SCIENCES
MASTER OF ARTS WITH EDUCATION (FULL-TIME/REGULAR)
1. Introduction
This programme is jointly offered by three departments of the Faculty of Humanities and Social Sciences: Department of Languages and Literature, Department of Geography and Economics, and Department of History, Political Science and Development Studies. It covers the following six fields: Linguistics, Literature, Kiswahili Linguistics, Kiswahili Literature, Geography and History.

2. Objectives of the Programme
The Master of Arts with Education at DUCE is designed for arts, humanities and social sciences educators who want to further develop their subject mastery and pedagogical, scholarly, research and leadership abilities through in-depth study in theory and practice. The proposed introduction of a Master of Arts with Education at DUCE is an initiative to address the learning needs of those who want to expand their subject mastery and pedagogical skills in Tanzania and beyond. The MA with Education Degree that will be offered at Dar es Salaam University College of Education is designed to prepare a person who wishes to pursue advanced professional development in the content and pedagogy of art/humanities or social sciences education (e.g. a teacher in arts, humanities, or social sciences, a community-based specialist, curriculum consultant or advocate in social issues). For individuals who wish to continue working in the teaching profession, this 18-month degree programme provides a basis through which a graduate will become a qualified teacher in both content and pedagogy.

3. Entry Requirements
A candidate shall be deemed eligible for consideration for admission to a Master of Arts with Education Programme if they have one of the following:

(i) First degree in education (e.g. BAEd, or BEd (Arts) degrees from any university recognised by the University of Dar es Salaam with at least a lower second class GPA of not less than 2.7 or its equivalent. To take language stream of the MA (Ed) course, one has to have studied Linguistics, Kiswahili, English, Geography, Literature, French or History in the undergraduate programme. For geography stream, one has to have studied Geography in the undergraduate degree.

OR

(ii) First degree in BA (Kiswahili), BA (Language Studies), BA (English), BA (Geography and Environmental Studies), BA (French), BA (Literature) and BA (History) plus a Postgraduate Diploma in Education (PGDE) from any institution recognised by the University of Dar es Salaam with at least an average pass of B in the final University Examinations.

4. Programme Structure

This is a taught full-time programme that is delivered through a face-to-face mode. The duration of this programme is 18 months whereby 12 months are dedicated to coursework and examination, and six months for research report writing. The entire programme requires a student to take a minimum of 180 credits. There are four (4) compulsory courses for all streams, each with 24 credits, totaling 96 credits. The student is also required to take seven (7) elective courses, each with twelve credits, totaling 168 credits. The research report has 24 credits.

5. List of Courses

Table 1: *Core Courses*
The Proposed Programme will have five streams with core courses for all streams as follows:

Course Code	Course Title	Status	Credits
CT 600	Curriculum and Teaching	Core	24
EF 601	Comparative Education	Core	24
EA 601	Policy, Planning and Administration	Core	24
MA 699	Research Report	Core	24

Elective Courses
Each candidate will be required to select two courses from the list indicated in Table 2:

Table 2: *Elective Courses*

Course Code	Course Title	Status	Credits
EP 603	Psychology of Child Development	Elective	24
EP 604	Theories of Teaching and Learning	Elective	24
AE 601	Open and Distance Learning	Elective	24
EF 601	Comparative Education	Core	24
EA 603	Educational Planning and Financing	Elective	24
PE 601	Youth and Sports Development	Elective	24
CT 607	Advanced Curriculum Development	Elective	24

Courses for Each Stream
The MA programme has six streams, as shown in tables 3 to 9 below.

Table 3: Programme Structure for Linguistics Stream

Year	Semester I			
	Course Code	Course Title	Status	Credits
	ML 631	Advanced Phonology	Core	12
	CT 600	Curriculum and Teaching	Core	24
	A student will choose 24 credits from the following:			
	ML 630	Articulatory and Acoustic Phonetics	Elective	12
	EP 603	Psychology of Child Development	Elective	24

	EP 604	Theories of Teaching and Learning	Elective	24
	ML 636	Sociolinguistics of InternationalLanguages	Elective	12
	AE 601	Open and Distance Learning	Elective	24
	ML 645	Language Assessment and Evaluation	Elective	12
	Total			**60**
	Semester II			
1	EF 601	Comparative Education	Core	24
	ML 632	Advanced Morphology	Core	12
	ML 633	Advanced Syntax	Core	12
	A student will choose 12 credits from the following:			
	ML 637	Translation	Elective	12
	ML 635	Theory and Practice in Writing	Elective	12
	ML 641	Advanced Historical and Comparative Linguistics	Elective	12
	ML 646	Stylistics	Elective	12
	ML 640	Contact Linguistics	Elective	12
	Total			**60**
	Semester I			
	ML 650	Research Methods for Linguists	Core	12
	EA 601	Policy, Planning and Administration	Core	24
	A student will choose 24 credits from the following:			
	EA 603	Educational Planning and Financing	Elective	24
	PE601	Youth and Sports Development	Elective	24
	CT 607	Advanced Curriculum Development	Elective	24
	ML 638	Lexicography	Elective	12
2	ML 643	Advanced Second Language Acquisition	Elective	12
	ML 647	African Language Structures	Elective	12
	ML 634	Advanced Semantics	Elective	12
	ML 644	Language Course Design - Syllabus and Materials	Elective	12
	Total			**60**
	Semester II			
	MA 699	Research Report	Core	24
Grand Total				**204**

Year	Semester I			
	Course Code	**Course Title**	**Status**	**Credits**
	LT 610	Literary Theoryand Criticism	Core	12
	CT 600	Curriculum and Teaching	Core	24
	LT 611	Evolution of African Writing	Core	12
	A student will choose 24 credits from the following:			
	LT 615	Linguistics Studies of the Novel	Elective	12
	EP 603	Psychology of Child Development	Elective	24
	EP 604	Theories of Teaching and Learning	Elective	24
1	LT 600	Dramaturgy and Dramatic Literature	Elective	12
	LT 613	Prison and Exile Literature	Elective	12
	LT 619	Perspectives in Writing	Elective	12
	Total 72			
	Semester II			
	EF 601	Comparative Education	Core	24
	LT 612	Studies in the Epic	Core	12
	LT 614	Trends in Modern Literature	Core	12
	LT 618	Post-colonial Literature	Core	12
	LT 620	Sociology of Literature	Core	12

	Total			72
	Semester I			
2				
	LT 616	Research Methods	Core	12
	EA 601	Policy, Planning and Administration	Core	24
	LT 617	Folklore andSociety	Core	12
2	*A student may choose 24 credits from the following:*			
	EA 603	Educational Planning and Financing	Elective	24
	PE 601	Youth and Sports Development	Elective	24
	CT 607	Advanced Curriculum Development	Elective	24
	Total			**72**
	Semester II			
	MA 699	Research Report	Core	24
Grand Total				**216/240**

Table 5: Programme Structure for Geography Stream

Year	Semester I			
	Course Code	**Title**	**Status**	**Credits**
	GE 630	Geographic Thought	Core	12
	GE 631	Climate Change and Human Adjustments	Core	12
	CT 600	Curriculum and Teaching	Core	24
	A student will choose 24 credits from the following:			
	EP 603	Psychology of Child Development	Elective	24
	EP 604	Theories of Teaching and Learning	Elective	24
	AE601	Open and Distance Learning	Elective	24
	GE 628	Population, Resources and Environment	Elective	12
	GE 641	Environmental Disaster Management and Sustainable Human Development	Elective	12
1	**Total**			**72**
	Semester II			
	EF601	Comparative Education	Core	24
	GE 634	Spatial Development Theories and Environmental Resources Management	Core	12
	GE 633	Applied Geographical Information Systems	Core	12
	GE 632	Geographical Research Methods	Core	12
	A student will choose 12 credits from the following:			
	GE 637	Tourism and Development	Elective	12
	GE 643	Water Resources, Planning and Management	Elective	12
	GE 644	Environment, Food and Development	Elective	12
	Total			**72**
	Semester I			
	GE 645	Strategic Urban Environmental Management	Core	12
	EA601	Policy, Planning and Administration	Core	24
2	GE 636	Integrated Natural Resources Management	Core	12
	A student will choose 24 credits from the following:			
	EA603	Educational Planning and Financing	Elective	24
	PE601	Youth and Sports Development	Elective	24
	CT607	Advanced Curriculum Development	Elective	24

	GE 635	Environmental Conservation Policies and Strategies	Elective	12
	GE 640	Urban Planning and Management in a Globalising World	Elective	12
	GE 642	Medical Geography	Elective	12
	Total		**72**	**72**
	Semester II			
	MA 699	Research Report	Core	12
Grand Total				**228**

Table 6: Programme Structure for Kiswahili Linguistics Stream

Year	Semester I			
	Course Code	**Title**	**Status**	**Credits**
	KI 601	Fonolojia ya Kiswahili	Core	10
	KF 618	Mikabala ya Uhakiki wa Kifasihi	Core	10
	CT 600	Curriculum and Teaching	Core	24
	A student will choose 24 credits from the following:			
	EP 603	Psychology of Child Development	Elective	24
	EP 604	Theories of Teaching and Learning	Elective	24
	AE 601	Open and Distance Learning	Elective	24
	KI 608	Masuala ya Kisasa katika Isimu-jamii ya Kiswahili	Elective	10
	KI 614	Leksikografia ya Kiswahili	Elective	10
1	**Total**			**68**
	Semester II			
	EF 601	Comparative Education	Core	24
	KI 602	Mofolojia ya Kiswahili	Core	10
	KI 603	Sintaksia ya Kiswahili	Core	10
	KIS 630	Mbinu za Utafiti	Core	10
	A student will choose 10 credits from the following:			
	KI 606	Tafsiri: Nadharia na Vitendo	Elective	10
	KI 610	Isimu-linganishi na Isimu-historia ya Lugha za Kibantu	Elective	10
	KI 613	Isimu-tumizi ya Kiswahili	Elective	10
	Total			**64**
	Semester I			
	KS 629	Semina ya Uzamili	Core	10
	EA 601	Policy, Planning and Administration	Core	24
2	KI 604	Semantiki ya Kiswahili	Core	10
	A student will choose 24 credits from the following:			
	EA 603	Educational Planning and Financing	Elective	24
	PE 601	Youth and Sports Development	Elective	24
	CT 607	Advanced Curriculum Development	Elective	24

	KI 611	Nadharia za Kujifunza Lugha ya Pili	Elective	10
	KI 609	Historia na Lahaja za Kiswahili	Elective	10
	KI 607	Miundo Changamani ya Kiswahili	Elective	10
	Total			**68**
	Semester II			
	MA 699	Research Report	Core	12
Grand Total				**210**

Table 7: Programme Structure for Kiswahili Literature Stream

Year	Semester I			
	Course Code	**Course Title**	**Status**	**Credits**
	KI 601	Fonolojia ya Kiswahili	Core	10
	KF 618	Mikabala ya Uhakiki wa Kifasihi	Core	10
	CT 600	Curriculum and Teaching	Core	24
	A student will choose 24 credits from the following:			
	EP 603	Psychology of Child Development	Elective	24
	EP 604	Theories of Teaching and Learning	Elective	24
	AE 601	Open and Distance Learning	Elective	24
	KF 619	Mshairi Teule	Elective	10
	KF 623	Tendi Simulizi na Andishi katika Kiswahili	Elective	10
	KF620	Fanani Teule	Elective	10
1	**Total**			**68**
	Semester II			
	EF 601	Comparative Education	Core	24
	KF 616	Tamthilia ya Kiswahili	Core	10
	KF 615	Riwaya ya Kiswahili	Core	10
	KIS 630	Mbinu za Utafiti	Core	10
	A student will choose 10 credits from the following:			
	KF 626	Fasihi katika Tafsiri ya Kiswahili	Elective	10
	KF 625	Fasihi ya Majaribio katika Kiswahili	Elective	10
	KF 621	Kazi Bora za Fasihi ya Kiswahili	Elective	10
	KF 628	Elimu-mitindo ya Fasihi ya Kiswahili	Elective	10
	Total			**64**
	Semester I			
	KS 629	Semina ya Uzamili	Core	10
	EA 601	Policy, Planning and Administration	Core	24
	KF 617	Ushairi wa Kiswahili	Core	10
2	*A student will choose 24 credits from the following:*			
	EA 603	Educational Planning and Financing	Elective	24
	PE 601	Youth and Sports Development	Elective	24
	CT 607	Advanced Curriculum Development	Elective	24
	KF 627	Historia ya Taaluma ya Fasihi ya Kiswahili	Elective	10

	KF 624	Ngano za Kiswahili	Elective	10
	KF 622	Wanawake Katika Fasihi ya Kiswahili	Elective	10
	Total			**68**
	Semester II			
	MA 699	Research Report	Core	12
Grand Total				**210**

Table 8: Programme Structure for History Stream

Year	Semester I			
	Course Code	**Title**	**Status**	**Credits**
1	HI 605	Theory of History	Core	12
	HI 606	Historiography of Africa	Core	12
	CT 600	Curriculum and Teaching	Core	24
	A student will choose 24 credits from the following:			
	EP 603	Psychology of Child Development	Elective	24
	EP 604	Theories of Teaching and Learning	Elective	24
	AE 601	Open and Distance Learning	Elective	24
	HI 614	Diseases and Healing in Africa: Late 19th Century to the Present	Elective	12
	HI 612	Topics in Tanzania Environmental History	Elective	12
	Total			**72**
	Semester II			
	EF 601	Comparative Education	Core	24
	HI 608	Preparation of History Research Proposals	Core	12
	HI 609	Global Capitalism and Africa	Core	12
	A student will choose 12 credits from the following			
	HI 613	History of Labour in Sub-Saharan Africa	Elective	12
	HI 610	African History and Allied Sciences	Elective	12
	AY 620	History of Heritage Conservation	Elective	12
	Total			**60**
2	**Semester I**			
	HI 611	Colloquium on the Political Economy of Tanzania	Core	12
	EA 601	Policy, Planning and Administration	Core	24
	HI 607	History Research Methods and Techniques	Core	12
	A student will choose 24 credits from the following			
	EA 603	Educational Planning and Financing	Elective	24
	PE 601	Youth and Sports Development	Elective	24
	CT 607	Advanced Curriculum Development	Elective	24
	KF 627	Historia ya Taaluma ya Fasihi ya Kiswahili	Elective	10
	AY 624	Heritage forTourism	Elective	12

	AY 625	Heritage Management and Conservation	Elective	12
	Total			**72**
	Semester II			
	MA 699	Research Report	Core	12
Grand Total				**210**

6. Programme Evaluation and Examinations

Evaluation of the programmes will be through coursework and examinations. Except for the dissertation, each course will be evaluated as follows:

Coursework: exercises, tests, and term paper/presentations 50%

Final Examination: 50%

Total: 100%

The pass mark for each examinable course shall be 50%. A candidate who may not have completed coursework part of the programme shall not be allowed to proceed for dissertation.

MASTER OF ARTS IN PUBLIC ADMINISTRATION (EVENING PROGRAMME)

1. Introduction

This is a taught evening programme in the Department of History, Political Science and Development Studies. It seeks to enable individuals who are unable to attend regular full-time classes achieve their goal of advancing their knowledge and skills in public administration.

2. Objectives of the Programme

- To provide students with intellectual knowledge, critical perspectives, professional competences and analytical skills necessary for understanding the discipline of public administration.
- To offer training and education in the management of public affairs, public policy, human resource management, research methods, public financial management, performance management, governance, organisation theory, etc.
- To provide in-service professionals with the opportunity to strengthen their analytical and problem-solving skills in order to promote societal goals as well as advance their own career.

3. Entry Requirements

To qualify for admission into the MA (Public Administration) programme, applicants shall have to meet admission requirements of the University of Dar es Salaam. Consideration for admission shall be made for applicants with at least a lower second class in a bachelor's degree in Political Science and Public Administration, BA (Education), BEd (Arts), or related fields from a recognised university.

4. Programme Structure

This is a two-year evening programme with 12 months of two taught semesters comprising coursework and examinations. The remaining 12 months are dedicated to dissertation writing. To qualify for graduation, a student will be required to take a minimum of 180 credits out of which 120 credits (i.e 10 courses) will be for coursework and 60 credits for adissertation.

5. List of Courses

Table 9: Programme Structure

Year	Course Code	Course Title	Credits	Status	Semester
1	PS 601	Principles and Methods in Social Science Research	12	Core	
	PA 603	Administrative Theory: Models, Concepts and Paradigms	12	Core	I
	PA 605	Public Policy	12	Core	
	PA 606	Human Resource Management	12	Core	

	PA 616	Corporate Governance	12	Elective	
	PA 617	Local Governance	12	Elective	
	PA 604	Public Finance Management	12	Core	
	PA 607	Administrative and Labour Laws	12	Elective	
	PA613	Employee and Labour Relations	12	Elective	II
	PA 618	Organisational Development and Change	12	Elective	
	PA 625	Managing Public Services	12	Elective	
	PS 625	Gender and Governance	12	Elective	
2	PA 699	Dissertation	60	Core	

6. Programme Evaluation and Examinations

Evaluation of the programme shall be through coursework and examinations. Except for the research paper, each course shall be evaluated as follows:

Coursework: Assignments, tests, seminars paper/presentations	50%
Final Examination:	50%
Total:	**100%**

The pass mark for each examinable course shall be 50%. Progression to the research paper shall depend on a successful completion of the coursework. A candidate who fails to meet the threshold of the coursework shall not be allowed to proceed for the research paper.

MASTER OF ARTS IN DEVELOPMENT EVALUATION

1. Introduction

The Master of Arts in Development Evaluation (MADE) is an 18-month master's programme comprising of coursework and dissertation. Coursework will run for a period of two semesters of the first twelve (12) months, comprising 15 teaching weeks and the final examination at the end of each semester. The last six (6) months shall be devoted to research and writing of the dissertation.

2. Programme Objective

Enhancing capabilities for conducting quality and credible evaluation of development interventions.

3. Entry Requirements

To qualify for admission into the Master of Arts in Development Evaluation Degree Programme, applicants shall hold the following qualifications:

i. A Second Class degree of the University of Dar es Salaam (UDSM) or an equivalent degree from a recognised higher learning institution, with a minimum GPA of 2.7. Candidates who hold an unclassified degree should have at least a B grade average in subjects related to Development Studies.

ii. Candidates with a PASS degree will also be considered for admission if:
   a. Their undergraduate performance in subjects related to Development Studies is at least of B grade, and/or
   b. They have satisfied the university that they have exhibited academic potential through extensive fieldwork/research experience of at least three years and/or additional professional development courses of the duration of at least three months. Candidates who hold unclassified degrees should have a PASS and an average of B grade in subjects related to Development Studies.

4. Programme Structure

Year 1: Semester I

Course Code	Course Title	Status	Credits
DE 601	Theories and Practices of Development	Core	12
DE 602	Development Planning and Management	Elective	12
DE 603	Paradigms and Approaches to Development Evaluation	Core	12
DE 604	Development Monitoring and Evaluation Systems	Core	12
DE 605	Research Methodologies in Development Evaluation	Core	12
DE 610	Gender-Sensitive Monitoring and Evaluations	Elective	12

Year 1: Semester II

Course Code	Course Title	Status	Credits
DE 606	Statistical Methods for Development Evaluation	Core	12
DE 607	Development Evaluation Ethics	Core	12
DE 608	Planning for Development Evaluation	Core	12
DE 609	Evaluating Value for Money	Elective	12
DE 611	Communication and Reporting Skills for Development Evaluation	Core	12
DE 612	Meta-Evaluation of Development Evaluations	Elective	12

Year 2: Semester I

Course	Course Title	Status	Credits
DE 699	Dissertation	Core	**60**

5. Programme Evaluation and Examinations

Evaluation of the programme shall be through coursework and examinations as follows:

Coursework: Assignments, tests, seminars, paper/presentations   50%

Final Examination: 50%

Total: **100%**

The pass mark for each examinable course shall be 50%. Progression to the dissertation stage shall depend on the successful completion of the coursework. A candidate who fails to meet the threshold of the coursework shall not be allowed to proceed with the dissertation.

FACULTY OF SCIENCE

MASTER OF SCIENCE WITH EDUCATION (MSc (Ed)) IN BIOLOGY, CHEMISTRY AND MATHEMATICS STREAMS

1. Introduction

The MSc programme is intended for graduate science teachers who want to expand the scope and depth of their knowledge base in the major areas of natural science and mathematics and advance their professional careers as a science teacher. In order to cater for a large number of science teachers, the programme is offered in the mode of coursework and dissertation, and the duration is two years. The coursework programme component consists of science discipline-based and education courses. A candidate shall major in only one science (or mathematics) subject. The programme is jointly offered by three departments: the Department of Chemistry, the Department of Biological Sciences and the Department of Physics, Informatics and Mathematics.

2. Entry Requirements

Admission into the programme will be in accordance with the University of Dar es Salaam regulations regarding postgraduate studies. Candidates applying for the MSc programme should have BSc (Ed) or BEd (Science) degrees from a recognised institution. Graduates from non-education science degree programmes, or equivalent qualifications, will be required to undertake the Postgraduate Diploma in Education as a prerequisite programme prior to admission into the MSc (Ed) programme.

3. Programme Structure

The MSc (Ed) is a taught programme comprising coursework and dissertation and the duration shall be 24 months (two years). Coursework will run for two semesters of 15 teaching weeks each, with a final examination at the end of each semester. The second year shall be devoted to research and writing the dissertation. During the second semester of the first year, students will be required to develop research proposals detailing the theoretical background and methodology as preparation for research and dissertation work. The minimum number of credits a student is required to take is 144 credits consisting of both core and elective courses) during the coursework year and 72 credits for the dissertation during the second year. Therefore, the minimum load for a candidate to graduate is 216 credits.

4. List of Courses
Education Courses
Core Courses

Course Code	CourseTitle	Credits	Semester
FE 600	Research Methods in Education	24	I
EP 604	Theories of Teaching and Learning	24	
CT 605	Computer Assisted Learning	24	II
Total		**72**	

Elective Courses

Course Code	Course Title	Credits	Semester
CT 600	Curriculum and Teaching*	24	I
CT 603	Professional Development in SMT*	24	
CT 604	Assessment of Performance in SMT*	24	II
EA 607	Management of Education Systems and Institutions*	24	

Biology Stream
Core Courses

Course Code	Course Title	Credits	Semester
ZL 604	Protozoology and Helminthology	12	
BL 617	Molecular Biology	12	I
BL 661	Advanced Genetics	12	
BL 662	Biological Methods and Techniques	12	
BL 607	Biostatistics	12	II
BL 663	Advanced Physiology	12	
BL 699	Dissertation	72	
Total		**144**	

Elective Courses

Course Code	Course Title	Credits
BC 604	Aquatic Biodiversity and Conservation	12
BT 605	Plant Protection	12
BL 668	Soil/Plant Water Relations	12
BL 670	Fauna and Flora of East Africa	12
ZL 612	Animal Reproductive Physiology	12
ZL 616	Insect Ecology, Pest and Vector Management	12

Chemistry Stream
Core Courses

Course Code	Course Title	Credits	Semester
CH 606	Coordination Chemistry	12	I
CH 619	Physical Chemistry	12	
CH 630	Advanced Analytical Chemistry and Instrumentation	12	
CH 618	Structure, Properties and Applications of Polymers	12	II
CH 651	Chemistry of Biomolecules	12	
CH 699	Dissertation	72	I & II
	Total	**132**	

Elective Courses

Course Code	Course Title	Credits
CH 603	Solid State Chemistry	12
CH 607	Advanced Physical Organic Chemistry	12
CH 610	Surface and Colloid Chemistry	8
CH 611	Heterocyclic Chemistry	8
CH 613	Advanced Environmental Chemistry	8
CH 616	Chemistry of Natural Products	12
CH 394	Fundamentals of Theoretical Chemistry	12

Mathematics Stream
Core Courses

Course Code	Course Title	Credits	Semester
MT 641	Advanced Mathematical Statistics	12	
MT 662	Optimisation Methods of Operations Research	12	**I**
MT 663	Ordinary Differential Equations I	12	
MT 605	Advanced Linear Algebra	12	**II**
MT 602	Numerical Analysis	12	
MT 699	Dissertation	72	
	Total		**132**

Elective Courses

Course Code	Course Title	Credits	Semester
MT 657	Methods of Mechanics Tics Helminthology	12	**I**
MT 660	Computer Applications and Programming	12	
MT 601	Advanced Probability Theory Equations I	12	**II**
MT 608	Algebraic Geometry	12	
MT 610	Complex Analysis	12	

5. Programme Evaluation and Examinations

The General University of Dar es Salaam and the DUCE examination regulations governing the award of postgraduate programmes shall be applied.

MASTER OF SCIENCE IN ENVIRONMENTAL BIOLOGY (MSc Env Biol)

1. Objectives of the Programme

To provide postgraduate students with the ability to apply environmental biology knowledge and skills to ensure that all developmental actions are undertaken with minimum detrimental effect to the environment, and also be able to predict the environmental crisis and propose mitigation measures for sustainable development.

2. Entry Requirements

A candidate shall be deemed eligible for consideration for admission into a Degree Programme if they have any of the following qualifications:

i.   Candidates must hold a Bachelor's degree majoring in Biology with at least a lower second-class degree of GPA not less than 3.0 from a recognised University.

In that case, applicants shall either hold a Bachelor of Science General, Bachelor of Science with Education, Bachelor of Education in Science, Bachelor of Science in Environmental Sciences and Management, Bachelor of Science in Zoology, Bachelor of Science in Botany, Bachelor of Science in Biology, Bachelor of Science in Molecular Biology, Bachelor of Science in Wildlife and Conservation, Bachelor of Science in Wildlife Management, Bachelor of Science in Animal Science, Bachelor of Science in Agriculture, Bachelor of Science in Environmental Sciences and Public Health or any other related bachelor's degree.

ii.   A Postgraduate Diploma with Biology from any recognised institution with at least an average pass of B in the final university examinations.

3. Programme Structure

The MSc. (Ed.) is a two-year programme with 12 months of two taught semesters comprising coursework and examinations. The coursework phase will run for two semesters of 15 teaching weeks, with a final examination at the end of each semester. This is followed by 12 months of the dissertation. During the second semester of the first year, students will be required to develop research proposals detailing the theoretical background and methodology as a preparation for research and dissertation work.

4. List of Courses

Core Courses

Course Code	Course Title	Credits	Semester
EB 601	Applied Ecology	12	I
EB 602	Bioethics	12	
EB 603	Biodiversity Conservation and Management	12	
EB 604	Environmental Pollution and Control	12	
EB 608	Scientific Research Methods	12	II
EB 609	Environmental Assessment	12	
EB 612	Environmental Microbiology	12	
EB 613	Environmental Education	12	
EB 699	Dissertation	60	
Total		**156**	

Elective Courses

Course Code	Course Title	Credits	Semester
EB 605	Plant Pathology Helminthology	12	I
EB 606	Environmental Biotechnology	12	
EB 607	Climate Change and Disaster Management		
ZL 630	Physiology and the Environment		

EB 610	Parasite Ecology	12	
EB 611	Ecological Entomology	12	**II**
EB 614	Environmental Law, Policy and Management Systems	12	
GE 633	Applied Geographical Information Systems	12	

5. Programme Evaluation and Examinations

Assessment of the programme will be through coursework assessment, final University Examinations and dissertation. Coursework assessment and the final examinations will weigh 50% each. The candidate must successfully complete the coursework phase before they are allowed to proceed to the dissertation phase in their second year. Successful completion of the taught courses shall mean the attainment of a B grade or above in each course.

MASTER OF SCIENCE IN INDUSTRIAL CHEMISTRY (MSC IND CHEM)

1. Introduction

The MSc in Industrial Chemistry programme offers courses that provide insight and exploration of the chemical processes and procedures applicable in producing chemical products. It focuses on equipping candidates with knowledge of chemical processes and methods to convert raw materials into valuable products. Thus, the programme's overall objective is to produce competent graduates with the necessary knowledge and skills to sustain economic and technological progress through production and industries.

2. Entry Requirements/Qualification

Admission into the programme will be in accordance with the University of Dar es Salaam regulations regarding postgraduate studies. A candidate applying for the MSc Ind. Chem. programme shall hold BSc: BSc (Chemistry), BSc (Ed), BEd (Sc), BSc Chemical Engineering, BSc Biochemistry, BSc Food and Nutrition Science, Doctor of Medicine (MD) and Bachelor of Pharmacy (B. Pharm.). In addition, a candidate will be considered for admission if they hold any other degree, which includes a chemistry major from recognised Universities, with at least a lower second class degree (GPA of not less than 2.7) or equivalent.

3. Programme Structure

The MSc (Ind. Chem.) programme has coursework and dissertation based on the University Qualifications Framework (UQF) proposed by the Tanzania Commission for Universities (TCU). Coursework will be conducted for two semesters (each 15 weeks) during the first year, while the second year shall be devoted to the research and writing of the dissertation. The programme is structured into two streams: *Industrial Processes and Biotechnology, and Petroleum Chemistry and Allied Processes.* In order to graduate, candidates from each stream must accomplish a minimum of 120 credits of taught courses and 60 credits of dissertation. The programme comprises common core courses for all streams (60 credits) and specified stream core courses (48 credits), and common optional courses (12 credits).

4. List of Courses

Common Core Courses for All Streams

Course Code	Course Title	Credits
CH 631	Scientific Methods and Analytical Techniques	12
CH 632	Chemical Kinetics and Catalysis	12
CH 633	Advanced Inorganic Chemistry	12
CH 634	Advance Organic Chemistry	12
CH 635	Environmental Pollution, Toxicology and Public Health	12
CH 699	**Dissertation**	**60**

Specialised Courses for Different Streams
Core Courses for Industrial and Biotechnology Stream

Course code	Course Title	Credits
CH 636	Industrial Inorganic Chemistry	12
CH 637	Industrial Organic Chemistry	12
CH 638	Food Chemistry and Biotechnology	12
CH 639	Advanced Biochemistry	12

Core Courses for Petroleum Chemistry and Allied Processes

Course code	Course Title	Credits
CH 640	Petroleum Geochemistry	12
CH 641	Petroleum Chemistry and Technology	12
CH 642	Oil and Gas Exploration	12
CH 643	Advances in Biofuel Production	12

Common Optional Courses for All Streams

Course code	Course Title	Credits
CH 644	Industrial Nanotechnology	12
CH 645	Bioactive Natural Products and Formulation	12
CH 646	Industrial Processes and Pollution Management	12
CH 647	Green Chemistry	12
CH 648	Industrial Entrepreneurship and Innovation	12

5. Programme Assessment
5.1 Programme Assessment Strategy
The General University of Dar es Salaam examination regulations governing the award of MSc degrees shall also apply to the MSc (Ind. Chem.) programme.

5.2 Practical Assessment Methods
Practicals will constitute 30% of the coursework for all specialised courses under each stream. Practicals will be assessed through oral presentation 10% and comprehensive practical report 20%.

FACULTY OF EDUCATION
MASTER OF EDUCATION IN EDUCATIONAL LEADERSHIP AND POLICY STUDIES (ME-ELPS)
1. Introduction
ME-ELPS is a taught programme comprising coursework and dissertation. The duration shall be 18 months (one year and six months) for full-time students. The coursework phase will run over a period of two semesters of 15 teaching weeks, with final examinations at the end of each semester. The last semester shall be devoted to research and writing of the dissertation. During the second semester of the first year, students will be required to develop research proposals, detailing the theoretical background and methodology as a preparation for research and dissertation work

2. Objectives of the Programme
i. Enabling learners to review and analyse education trends and perspectives over time, relating the interaction between the goals of the educational system and the demands placed on the system by the society.
ii. Developing students' theoretical and practical knowledge and skills on basic research regarding educational leadership and policy issues.
iii. Developing an understanding on educational policy development, analysis and implementation and how they affect educational systems.

iv. Deepening individual understanding of the educational system bottlenecks and the available possibilities to improve school systems and narrow achievement gaps
v. Analyse constructively emerging issues in the field of education, with particular focus on educational leadership, administration, entrepreneurship, gender and ethical challenges and

concerns facing the present and future of education system.
vi. Analysing policies and procedures that affect personnel management in the schools including communication techniques and strategies for educational leadership
vii. Exploring issues of comparative education studies placing primary focus on educational policy and practice.

3. Entry Requirements
A candidate shall be deemed eligible for consideration for admission into a Degree Programme if they have any of the following qualifications:
i. A bachelor's degree in education from any recognised university with at least a lower second GPA of not less than 2.7 or its equivalent.
ii. A Postgraduate Diploma in Education (PGDE) from any recognised institution with at least an average pass of B in the final university examination.

4. Programme Structure
Students are expected to complete the programme in 18 months which include two (2) semesters for coursework and one (1) semester for dissertation. This is a full-time programme offered through face to face and online modes. The entire programme requires a student to take a maximum of 180 credits (120 credits for coursework and 60 credits for the dissertation).

5. List of Courses

Course Code	Course Title	Status	Credits
ER 600	Educational Research: Theory and Practice I	Core	12
ER 601	Educational Research: Theory and Practice II	Core	12
EL 600	Educational Leadership and Organisational Effectiveness	Core	12
EL 601	Educational Policy Analysis: International Perspectives	Core	12
EL 602	Educational Planning: Theory and Practice	Core	12
EL 603	International and Comparative Studies in Educational Leadership and Policy	Core	12
EL 604	Ethical and Legal Issues in Educational Leadership	Core	12
EL 605	Politics of Education in Global Perspective	Elective	12
EL 606	Entrepreneurial Management for Educational Leaders	Core	12
EL 607	Gender Issues in Educational Leadership and Management	Elective	12
EL 608	Quality Management in Education	Elective	12
EL 609	Strategic Management and Leadership in Education	Elective	12
EL 610	Organisational Development and Dynamics in Education	Elective	12
EA 606	Economics of Education and Financing	Elective	12
FE 699	Dissertation	Core	60

6. Programme Evaluation and Examinations
Assessment of the programmes will be through coursework and examinations except for the research report, each course will be assessed as follows: Coursework: 50% Final Examination: 50% Total: 100% The pass mark for each examinable course shall be 50%. A candidate who may not have completed coursework part of the programme shall not be allowed to proceed for research work. The pass mark for research report will be a 'B' grade. Other assessment regulations, procedures and guidelines as stipulated in "General Regulations and Guidelines for Postgraduate Programmes" (2018) and other related documents issued by the university from time to time shall apply.

MASTER OF EDUCATION IN CURRICULUM STUDIES (MED-CS)

1.   Introduction

The Department of Educational Psychology and Curriculum Studies (EPCS) of the Dar es Salaam University College of Education offers a postgraduate programme: Master of Education in Curriculum Studies **(MED-CS)** degree programme.

2.   Objectives of the Programme

The overall objective for MEd. (CS) degree programme is to equip candidates with theoretical, professional, pedagogical, technological, and practical knowledge and skills in curricula studies for the provision of sustainable quality education in the society. In addition, the programme intends to produce competent and innovative candidates in designing and developing sustainable curricula that afford for inclusion of learners' diversity, integration of global learning needs into the national curriculum, researching on curricular issues, designing and implementing curriculum-based training programmes. The programme seeks to promote employability of school and university graduates in current labour market.

3.   Entry Requirements

Entry Qualification for admission into the programme is in accordance with the University of Dar es Salaam regulations regarding postgraduate studies. A candidate shall be deemed eligible for consideration for admission into a MEd. (CS) Programme if they have any of the following qualifications:

i.   First degree in education (e.g. BAEd, or B. Ed (Arts), BSc (Ed.) or B. Ed (Sc.) degrees) from any recognised University with at least a lower second class of GPA of not less than 2.7 or its equivalent

        OR

ii.   Postgraduate Diploma in Education (PGDE) from any institution recognised by the University with at least a lower second class GPA of not less than 2.7 or its equivalent.

4.   Programme Structure

The students are expected to complete the programme in 18 Months which include Two (2) semesters for coursework and one (1) semester for dissertation. The entire programme requires a student to take a maximum of 180 credits (120 credits for coursework and 60 credits for the dissertation).

5.   List of Courses

Semester 1: Year 1

Course Code	Course Name	Status	Credits
CT 650	Curriculum Foundations and Theories	Core	12
CT 651	Educational Programme Design and Development	Core	12
CT 652	Curriculum Material Development and Use	Core	12
FE 600a	Research Methods in Education 1	Core	12
CT 656	Curriculum Management and Policy Administration	Elective	12
CT 657	Curriculum Development Trends in National and International Context	Elective	12
CT 658	Curriculum Policies Development and Analysis	Elective	12
CT 659	Curriculum Implementation: Theory into Practice	Elective	12

Semester 2: Year 1

Course Code	Course Name	Status	Credits
CT 653	Pedagogical Perspectives and Approaches	Core	12
CT 654	Technologies in Teaching and Learning	Core	12
CT 655	Classroom Assessment and Evaluation	Core	12
FE 600b	Research Methods in Education 2	Core	12
CT 660	Social Studies Curriculum and Development	Elective	12

CT 661	Theoretical and Practical Issues in Science Teaching and Learning	Elective	12
CT 662	Mathematics Curriculum Development	Elective	12
CT 663	Language and Literacy Education	Elective	12

Semester 1: Year 2

Course Code	Course Name	Status	Credits
FE 699	Dissertation	Core	60

6. Programme Evaluation and Examinations

A pass mark for each examinable course shall be 50%. Generally, the University of Dar es Salaam examination regulations governing the award of master's degrees shall apply. Evaluation of the programme shall be through coursework, final University examination, and dissertation. Coursework weighs 50% and the final University Examination weighs 50%. Candidates must complete the coursework phase (attainment of a B grade or above) before they are allowed to embark on the dissertation phase in their second year.

POSTGRADUATE DIPLOMA IN EDUCATION (PGDE) (EVENING/ONLINE)

1. Introduction

The Postgraduate Diploma in Education (PGDE) programme is offered through two modes namely: Evening and Online.

2. Objective of the Programme

This programme aims at professionalising non-education graduates by training them to become professional teachers.

3. Entry Requirements

i. The minimum qualification for admission into PGDE is a Bachelor's degree (non-education) with a GPA of 2.7 or above from UDSM or any other institution recognised by TCU.
ii. A non-education (Advanced) Diploma in Education offered by UDSM or any other institution recognised by TCU may also suffice for consideration for admission into PGDE.
iii. SOED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval.

4. Structure of the Programme

PGDE programme comprises coursework and Teaching Practice (TP). Full-time students shall complete their coursework within the first two semesters of enrolment. Within the third semester, the candidate must submit the independent study report.

A student is expected to complete the programme in 12 months. The entire programme requires a student to take a maximum of 156 credits from nine (9) compulsory courses, each with twelve (12) credits, totalling 108 credits; and two (2) elective courses, each with twelve (12) credits, totalling 24 credits and one practicum course with 24 credits.

5. List of Courses

Table 1: Core Courses

Course Code	Course Title	Credits
CT 501	Principles of Curriculum Development and Teaching	12
EP 500	Introduction to Educational Psychology	12
EF 500	Principles of Education	12
FE 502	Research Methods and Data Analysis	12
CT 509	Classroom Interaction and Research	12
CT 512	Didacts	12
EP 503	Assessment and Evaluation	12

EA 500	Management of Education and School Administration	12
CT 513	Practicum	24
FE 599	Independent Study	12
Total		**132**

Table 2: Elective Courses

Course Code	CourseTitle	Credits
AE 501	Human Rights Education	12
AE 500	Adult Learning	12
CT 500	Language Education	12
CT 508	Library Education and Information Management	12
CT 507	Introduction to Entrepreneurial Education	12
EA 502	Administrative & Organisational Behaviour	12
EA 501	Human Resources Development in Educational Organisations	12
EF 501	Sociology of Education	12
EP 504	Educational Guidance and Counseling	12
PE 501	Theory and Practice of Fitness Promotion	12

6. Programme Evaluation and Examinations

Assessment

i. Each course in the PGDE programme shall be offered and assessed in the same semester and a grade awarded.

ii. The average grade/pass for all postgraduate courses must be at least "B".

iii. A candidate whose GPA is below 2.7 shall be discontinued from the programme.

iv. A candidate whose overall GPA is 2.7 or above shall be allowed to do supplementary examinations in the failed courses.

v. The maximum grade that can be attained from a supplementary examination shall be "B".

vi. Candidates who fail in more than one supplementary examination shall be discontinued from the programme.

vii. A candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.

viii. A candidate who repeats a course and fails in the first sitting examination shall not be allowed a supplementary and shall be discontinued from the programme.

ix. The final examinations shall be held immediately upon completing a course. The weighing of this final examination in determining the grade for the course shall be the University Examination 50% and Continuous Assessment 50%, except for a course on practicum. The form of assessment shall be specified by respective instructors at the beginning of the course.

x. University guidelines on the preparation of dissertations shall apply.

POSTGRADUATE DIPLOMA IN GUIDANCE AND COUNSELLING (PGDGC) (REGULAR/ONLINE)

1. Introduction

The Postgraduate Diploma in Guidance and Counselling (PGDGC) is offered through two modes namely: Regular and Online.

2. Objective of the Programme

Therefore, the main objective of the programme is to equip prospective counsellors with knowledge, skills and attitude that will contribute to improved professional guidance and counselling practices.

3.   Entry Requirements

A candidate shall be eligible for admission to a Postgraduate Diploma in Guidance and Counselling Programme (PGDGC) if they have the first degree in Education, Psychology, Sociology and Social science degree (with elements related to counselling) field of study from any recognised University with at least a lower second GPA of not less than 2.7 or its equivalent.

4.   Structure of the Programme

PGDGC programme comprises coursework and Counselling Practicum (CP). Full-time students shall complete their coursework within the first two semesters of enrolment. Within the third semester, the candidate must submit the independent study report.

A student is expected to complete the programme in 12 months. The entire programme requires a student to take a maximum of 132 credits from nine (9) compulsory courses, each with twelve (12) credits, totaling 108 credits; and two (2) elective courses, each with twelve (12) credits, totaling 24 credits and one practicum course with 12 credits.

5.   List of Courses

Table 1: Core Courses

Course	Course Name	Credits
EP 510	Introduction to Guidance and Counselling	12
EP 511	Introduction to Human Development and Mental Health	12
EP 512	Career Guidance and Counselling	12
EP 513	Research and Evaluation in Counselling	12
EP 514	Chronic Illness and Trauma Counselling	12
EP 515	Counseling People with Special Needs	12
EP 516	Development of Counselling Programmes	12
EP 517	Introduction to Counselling Practicum	12
EP 524	Counselling Practicum	12

Table 2: Elective Courses

Course	Course Name	Credits
EP 518	Family and Community Counselling	12
EP 519	Adolescent and Quality of Life	12
EP 520	Personal and Social Counselling	12
EP 521	Peer Counselling	12
EP 522	Moral and Spiritual Counselling	12
EP 523	Leisure Time Counselling	12

6.   Programme Evaluation and Examinations

Assessment

xi.   Each course in the PGDGC programme shall be offered and assessed in the same semester and a grade awarded.

xii.   The average grade or pass for all postgraduate courses must be at least "B".

xiii.   A candidate whose GPA is below 2.7 shall be discontinued from the programme.

xiv.   A candidate whose overall GPA is 2.7 or above shall be allowed to do supplementary examinations in the failed courses.

xv.   The maximum grade that can be attained from a supplementary examination shall be "B".

xvi.   Candidates who fail in more than one supplementary examination shall be discontinued from the programme.

xvii.   A candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.

xviii. A candidate who repeats a course and fails in the first sitting examination shall not be allowed a supplementary and shall be discontinued from the programme.

xix. The final examinations shall be held immediately upon completing a course. The weighing of this final examination in determining the grade for the course shall be the University Examination 50% and Continuous Assessment 50%, except for a course on practicum. The form of assessment shall be specified by respective instructors at the beginning of the course.

xx. University guidelines on the preparation of dissertations shall apply.

MEMBERS OF THE GOVERNING BOARD

S/N	NAME	AFFILIATION	CONTACTS	TELEPHONE
1.	Prof. William. A. L. Anangisye	Chairperson Vice Chancellor – UDSM	P.O. Box 35091 University of Dar es Salaam	022-2410700
2.	Prof. Bonaventure S. Rutinwa	DVC-Academic - UDSM	P.O. Box 35091 University of Dar es Salaam	0754261124
3.	Prof. Stephen O. Maluka	Principal - DUCE	P.O. Box 2329 DUCE	0739843838
4.	Eng. Mary M. Swai	Representative from UDSM Council	P.O. Box 35091 University of Dar es Salaam	062312450
5.	Dr. Joan J. E. Munissi	DUS - UDSM	P.O. Box 35091 University of Dar es Salaam	0764252411
6.	Prof. Deusdedith A. Rwehumbiza	Ag. Principal - MUCE	Mkwawa University College of Education P.O. Box 2513 Iringa	0712206733
7.	Dr. Wilson M. Charles	Deputy Permanent Secretary Ministry of Education Science and Technology	P.O. Box 10 40479 Dodoma	0767991553
8.	Dr. Budeba P. Mlyakado	Representative UDASA - DUCE	P.O. Box 2329 Dar es Salaam	0743231512
9.	Dr. Innocent B. Rugambuka	Representative THTU - DUCE	P.O. Box 2329 Dar es Salaam	0713638464
10.	Mr. Magesa S. Marwa	Representative DARUSO - DUCE	P.O. Box 2329 Dar es Salaam	0767888164
11.	Mr. Fortunatus. P. Swai	Corporate Counsel &Secretary to the Governing Board -DUCE	P.O. Box 2329 Dar es Salaam	0784361119

PRINCIPAL ADDRESSES
CENTRAL ADMINISTRATION
P.O. Box 2329   Fax: + 255 22 2850952
Dar es Salaam http//www.duce.ac.tz

PRINCIPAL   General line: +255 22 2850975
P.O. Box 2329   Direct line: +255 22 2850975
Dar es Salaam   Fax: + 255 22 2850952
Email: principal@duce.ac.tz

DEPUTY PRINCIPAL (ACADEMIC, RESEARCH AND CONSULTANCY)

	General line: +255 22 2850978
P.O. Box 2329	Direct line: +255 22 2850978
Dar es Salaam	Fax: + 255 22 2850952
Email: dp-arc@duce.ac.tz	

DEPUTY PRINCIPAL (PLANNING, FINANCE AND ADMINSTRATION)

	General line: +255 22 2850072
P.O. Box 2329	Direct line: +255 22 2850072
Dar es Salaam	Fax: + 255 22 2850952
Email: dp-pfa@duce.ac.tz	

DIRECTOR,   General line: +255 22 2850978
UNDERGRADUATE STUDIES
P.O. Box 2329 Dar es Salaam
Email: dus@duce.ac.tz

DIRECTOR, POSTGRADUATE STUDIES   General line: +255 22 2850978
P.O. Box 2329
Dar es Salaam
Email: dpgs@duce.ac.tz

DIRECTOR OF RESEARCH AND INNOVATION   General line: +255 22 2850978
P.O. Box 2329
Dar es Salaam
Email: dpgs@duce.ac.tz

DIRECTOR OF PUBLIC SERVICE AND OUTREACH PROGRAMMES

        General line: +255 22 2850978

P.O. Box 2329
Dar es Salaam
Email: director-publicservices@duce.ac.tz

DIRECTOR LIBRARY SERVICES   General line: +255 22 2850982
P.O. Box 2329
Dar es Salaam
Email: library@duce.ac.tz

ADMINSTRATION AND HUMAN RESOURCE MANAGEMENT
DIRECTORATE   General line: +255 22 2850148
P.O. Box 2329   Direct line: +255 22 2850148
Dar es Salaam   Fax: + 255 22 2850852
Email: director-ahrm@duce.ac.tz

HEAD, QUALITY ASSURANCE UNIT   General line: +255 22 2850978
P.O. Box 2329
Dar es Salaam
Email: qau@duce.ac.tz

HEAD OF DIVERSITY UNIT   General line: +255 22 2850978
P.O. Box 2329
Dar es Salaam
Email: diversity-unit@duce.ac.tz

FACULTY OF EDUCATION
P.O. Box 2329
Dar es Salaam
Email: deanfoe@duce.ac.tz

General line: +255 22 2850158
Direct line: +255 22 2850158

FACULTY OF HUMANITIES
AND SOCIAL SCIENCES
P.O. Box 2329
Dar es Salaam
Email: deanfhss@duce.ac.tz

General line: +255 22 2850419
Direct line: +255 22 2850419

FACULTY OF SCIENCE
P.O. Box 2329
Dar es Salaam
Email: deanfos@duce.ac.tz

General line: +255 22 2850415
Direct line: +255 22 2850415

ESTATES AND WORKS MANAGEMENT UNIT
P.O. Box 2329
Dar es Salaam
Email: manager-estates@duce.ac.tz

General line: +255 22 2850110
Direct line: +255 22 2850110

DUCE DISPENSARY
P.O. Box 2329
Dar es Salaam

General line: +255 22 2850072
Direct line: +255 22 2850164

AUXILLIARY POLICE
P.O. Box 2329
Dar es Salaam

General line: +255 22 2850072
Direct line: +255 22 2850145

STUDENTS ORGANISATION
P.O. Box 2329
Dar es Salaam
Email: daruso@duce.ac.tz

General line: +255 22 2850862

INFORMATION AND COMMUNICATION UNIT
P.O. Box 2329
Dar es Salaam
Email: itsupport@duce.ac.tz

General line: +255 22 2850072

CHANG'OMBE DEMONSTRATION SCHOOLS
SECONDARY SCHOOL
P.O. Box 2329
Dar es Salaam
PRIMARY SCHOOL
P.O. Box 2329
Dar es Salaam

General line: +255 22 2850158
Direct line: +255 22 2850901
Fax: + 255 22 2850952
General line: +255 22 2850158
Direct line: +255 22 2850
Fax: + 255 22 2850952

PRE-SCHOOL
P.O. Box 2329
Dar es Salaam

General line: +255 22 2850158
Direct line: +255 22 2850180

DUCE STAFF LIST
College Principal
S. O. Maluka, BA, MA (Dar), PhD (Umea)

Deputy Principal (Academic, Research and Consultancy)
C. I. Raphael, Dip (Mpwapwa), BEd, MEMA (Dar), PhD (Dublin)

Deputy Principal (Adminstration, Finance and Adminstration)
M. S. Semiono, BAEd, MA, PhD (Dar)

Director, Undergraduate Studies
H. Onditi, BEd, MA (Dar), PhD (UBC)

Director, Postgraduate Studies
S. Mlowe, BSc, MSc (Dar), PhD (Zululand)

Director, Research and Innovation
A. Lusekelo, BAEd, MA (Dar), PhD (Botswana)

Director, Public Service and Outreach Programmes
L. Mulamula, BSc, MSc, PhD (Dar)

Director, Library Servces
D. Shilla, BSc (Dar), MSc (Auckland), PhD (Ryukyus)

Director, Students Services
N. Msuya, BAEd, MA (Dar)

Head, Quality Assurance Unit
P. Kavenuke, BEd (Dar), MEd. (Shanghai), PhD (Beijing)

Head, Diversity Unit
I. M. Mwandambo, BEd, MAASP (Dar), PhD (Leiden)

Dean, Faculty of Education
J. J. Kayombo, BEd (Dar), MEd (Shanghai), PhD (Beijing)

Dean, Faculty of Humanities and Social Sciences
E. Babeiya, BA, MA, PhD (Dar)

Dean, Faculty of Science
D. S. Kacholi, BSc (Morogoro), MSc (Dar), PhD (Goettingen)

Head, Finance Unit
M. Mohamed, BCom Acc, CPA, MBA (Finance) (Dar)
Coordinator, Demonstration Schools
N. Mabula, BSc, MA (Dar), PhD (Konstanz)

FACULTY OF EDUCATION
Senior Lecturer and Dean
J. J. Kayombo, BEd (Dar), MEd (Shanghai), PhD (Beijing)

Lecturer and Coordinator (Practicum)
K. Haule, BEd, MAEd, PhD (Dar)

Department of Educational Psychology and Curriculum Studies

Senior Lecturer and Head
R. J. Mwakabenga, Dip (Mpwapwa), BAEd, MAEd (Dar), PhD (New Zealand)

Senior Lecturers
F. Kyaruzi, BEd, MEd (Dar), PhD (Munich)
M. K. Kateko, BEd (Dar), MIE (Massachussetts), PhD (Beijing)
N. Mabula, BSc, MA (Dar), PhD (Konstanz)
H. Z. Onditi, BEd, MA (Dar), PhD (UBC)
R. J. Mwakabenga, Dip (Mpwapwa), BAEd, MAEd (Dar), PhD (New Zealand)
B. P. Mlyakado, BEd, MA (Dar), PhD (Hong Kong)

Lecturers
***A. C. Kafyulilo, BEd, MAEd (Dar), MSc (Enschede), PhD (Enschede)
A. M. Machumu, BAEd, MAASP, PhD (Dar)
B. Mazzuki, BEd, MAEd, PhD (Dar)
B. Mgumba, BAEd, MA, PhD (Dar)
I. B. Rugambuka, BAEd (Dar), MPhil (Oslo), PhD (Dar)
I. M. Mwandambo, BEd, MAASP (Dar), PhD (Leiden)
J. Mayega, BEd, MAEd, PhD (Dar)
J. Njiku, BEd, MEd (Dar), PhD (Kigali)
J. Kalinga, BAEd, MAEd, PhD (Dar)
K. Haule, BEd, MAEd, PhD (Dar)
J. Nzilano, Dip (Morogoro), BEd, MAEd (Dar), PhD (Wellington)
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N. Rukondo, BSc, MEd, PhD (Dar)
S. M. Kejo, BAEd, MAEd (Dar), PhD (Victoria)
T. Venancy, BSc, MEd (Dar), PhD (Munich)
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F. Masath, BEd, MA (Dar), PhD (Konstanz)
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T. Yotham, BAEd, MA, PhD (Dar)
J. Kipanda, BAEd, MAEd, PhD (Dar)
P. William, BEd, MA (Dar), PhD (Victoria)

Assistant Lecturers
G. Nnko, BEd, MA (Dar)
*J. L. Kajungu, Dip (Klereu), BSc, MEd (Dar)
K. Dadi, BEd, MAEd (Dar)
L. Gabriel, BAEd, MAEd (Dar)
J. C. Ngunyale, BEd, MAEd (Dar)
*E. Kabelege, BAEd, MA (Dar)
*L. S. Misana, BAEd, MAEd (Dar)
*R. Mwambalaswa, BAEd, MAASP (Dar)
*T. Mligo, Bsc, MEd (Dar)
*R. A. Shafii, BEd, MEd. AE (Dar)
*A. E. Mbowe, BEd, Med (Dar)
*A. J. Aligawesa, Dip (Mwanza), BEd, MAASP (Dar)
M. S. Nchimbi, BAEd, MAASP (Dar)
*R. R. Mzambili, BAEd (Dodoma), MSc (Mersin)
G. M. Athuman, BAEd (Mwanza), MAASP (Dar)

A. K. Makinda, BAEd (Dar) MA (UK)

I. M. Miwa, BEd (Dar), MA (UK)

F. C. Kinyamagoha, BAEd, MEd-CS (Dar)

Tutorial Assistants
A. B. Joseph, BEd (Dar)
*F. M. Shimba, BEd (Dodoma)
*A. W. Ndekirwa, BEd (Dodoma)
M. C. Lutonja, BEd (Tabora)
*J. J. Fisha, BEd (Dodoma)
*L. J. Bwire, BEd (Tabora)
A. B. John. BAEd (Dar)
U. S. Lusaka, BAEd (Dar)

Department of Educational Foundations, Management and Lifelong Education
Lecturer and Head
C. Swai, BEd, MAEd, PhD (Dar)

Senior Lecturer
C. I. Raphael, Dip (Mpwapwa), BEd, MEMA (Dar), PhD (Dublin)
M. Bilinga, BAEd, MAEd, PhD (Dar)
J. J. Kayombo, BEd (Dar), MEd (Shanghai)), PhD (Beijing)
P. Kavenuke, BEd (Dar), MEd. (Shanghai), PhD (Beijing)
K. Fulgence, Dip (Chang'ombe), BEd, (MBA) (Dar), PhD (Siegen)
P. J. Urio, Dip (Korogwe), BEd, MAEd, PhD (Dar)

Lecturers
C. Swai, BEd, MAEd, PhD (Dar)
D. Fumpuni, BAEd, MAEd, PhD (Dar)
J. L. Manase, BSc (Morogoro), MEd, PhD (Dodoma)
O. Bethwel, BEd, MAEd (Dar), PhD (Changchun)
H. Mfaume, BEd, MAEd, PhD (Dar)
C. Nziku, BAEd, MEMA, PhD (Dar)
A. Mwakitalu, BEd, MEMA (Dar)

Assistant Lecturers
G. Shoo, Dip (Mpwapwa), BEd, MEMA (Dar)
R. Mgaya, BA, MA (Dar)
A. Selemani, BAEd, MAEd (Dar)
*G. Kihwele, BEd, MAEd (Dar)
*H. Moyo, BAEd (Dar), MAEd (Liverpool)
*T. Shukrani, BEd, MEMA (Dar)
C. Akaro, BEd (Morogoro), MAEd (Morogoro)
M. Gamara, BEd (Dodoma), MEMA (Dar)
*M. Manyama, BAEd (Dar), ME-ELPS (Dar)
N. J. Shega, BAEd (Iringa), MEPA (Iringa)
*G. Ezekiel, BEd, MAEd (Dar)
*H. O. Lutakyamilwa, BEd (Dar), HESA (Beijing)
*G. V. Mpiluka, BEd (Dodoma), MEd (Nairobi)

Tutorial Assistant
V. Barweta, BEd (Dodoma)
G. Nyigu, BPhil.Ed (Mwanza)

FACULTY OF HUMANITIES AND SOCIAL SCIENCES
Senior Lecturer and Dean
E. Babeiya, BA, MA, PhD (Dar)

Department of Geography and Economics
Lecturer and Head
G. Hinju, BA, MA, PhD (Dar)

Associate Professor
**A. A. Kinyondo, BA (Namibia), MA (Botswana), PhD (Monash)

Senior Lecturers
D. Sabai, BA (Dar), MSc (Netherlands), PhD (Rhodes)

Lecturers
A. E. Songoro, BA, MSc (Dar), PhD (Giessen)
J. W. Mngumi, BA, MA (Dar), PhD (Glasgow)
E. Paul, BA, MA, PhD (Dar)
E. Kwayu, BA, MA (Dar), PhD (Leeds)
E. Mcharo, BA, MA (Dar), PhD (Nairobi)
A. B. Safari, BA, MA, PhD (Dar)
G. Hinju, BA, MA, PhD (Dar)
M. Kauky, BA, MA, PhD (Dar)
N. Nthangu BA, MA (Dar), PhD (Cape Town)
S. Jumanne, BSc, MA, PhD (Dar)
J. Ngondo, BA (Dar), MSc (Nairobi), PhD (Shanghai)
B. Ally, BA, MA (Dar), PhD (Tokyo)

Assistant Lecturers
D. A. Lukiko, BA, MA (Dar)
*N. Msenda, BA, MA (Dar)
*A. Miho, BA, MA (Dar)
*M. Juvenary, BA (Dar), MSc (Nairobi)
*S. Lwiza, BA, MA (Dar)
*M. Joseph, BA, MA (Dar)
*L. Robert, BA (Morogoro), MA (Dar)
D. F. Peter, BA, MA (Dar)
G. J. Kanda, BA, MSc GIS (Dar)
D. L. Nkwabi, BSc, MSc (Dar)

Tutorial Assistants
S. G. Kisyombe, BSc Ins & Risk (Dar)
R. L. Soka, B Ed (Morogoro)
I. J. Junior, BSc (Dar)
S. S Kagomba, BA (Kilimanjaro)

Department of Languages and Literature
Lecturer and Head
M. Kibiki, BAEd, MA PhD (Dar)

Associate Professors
A. Lusekelo, BAEd, MA (Dar), PhD (Botswana)
M. Samwel, BAEd, MA, PhD (Dar)
D. Goodness, BAEd, MA (Dar), MSc (Aston), PhD (Dar)

SeniorLecturers
R. Ndomba, BAEd, MA (Dar), PhD (Dublin)
M. Zacharia, BAEd, MA (Dar), PhD (Beyreuth)

Lecturers
L. Philip, BAEd, MA, PhD (Dar)
B. Lema, BAEd, MA, PhD (Dar)
R. J. Mbijima, BAEd, MA, PhD (Dar)
F. Mwendamseke, BAEd, MA, PhD (Dar)
L. Mpalanzi, BAEd, MA, PhD (Dar)
E. Bwana, BA, MA (Bayreuth), PhD (Dar)
J. Manyasa, BA, MA, PhD (Dar)
N. Nelius, BA, MA, PhD (Dar)
D. Mosha, BAEd (Dar), MA (Nairobi), PhD (Dar)
L. Kombe, BAEd, MA, PhD (Dar)
M. Kibiki, BAEd, MA, PhD (Dar)
S. S. Bichwa, BA, MA (Dar), PhD (Stellenbosch)
K. Mdoe, BAEd (Dom), MA, PhD (Dar)
G. Kitundu, BEd, MA, PhD (Dar)
F. Pangani, BA, MA, PhD (Dar)
M. Kassimu, BAEd, MA, PhD (Dar)
E. Ilonga, BAEd, MA, PhD (Dar)
O. Simile, BA, MA, PhD (Dar)
A. Chipalo, BAEd, MA, PhD (Dar)

Assistant Lecturers
R. Ndimbo, BA, MA (Dar)
H. Masebo, BAEd, MA (Dar)
*M. Israel, BA (Dar), MA (Buea)
*S. Misozi, BA (Dar), MA (Beau)
*Y. Lukinga, BAEd, MAEd (Dar)
*E. J. Mkunde, BAEd, MAEd (Dar)
*S. Msovela, BAEd, MA (Dar)
D. Atupelye, BAEd, MA (Dar)
*D. Mwasunda, BA, MAEd (Dar)
*J. Simeo, BA, MAEd (Dar)
M. Kapingu, BAEd, MAEd (Dar)
*S. M. Kiula, BAEd, MA (Dar)
*Y. Mung'aya, BAEd (Mwanza), MA (Dar)
J. E. Lameck, BAEd, MA, (Dar)
*S. Champunga, BAEd, MA. (Dar)
F. Hamidu, BAEd, MA (Dar)
C.D. Rweyongeza, BAED, MA (Dar)
J. H. Mwamsangu, BAEd, MAED (Dar)
*Z. Muhammedy, BAED, MA (Dar)
*J. Swila, BAED, MA (Dar)
R. M. Juma, BAED, MAED (Dar)
R. S. Fadhili, BAED, MAED (Dar)

Tutorial Assistants
*C. Shao, BEd (Dar)
*F. S. Mgunya, BAEd (Dar)
E. M. Hilonga, BAEd (Dar)
*A. M. Abdallah, BEd (Dar)
R. A. Adam, BAEd (Dar)
*M. J. Robert, BAEd (Dar)
Y. S. Fullana, BAEd (Dar)

S. Abonike, BAED (Dar)
M. Mkape, BAED, MA (Dar)
B. A. Mwakajinga, BAED (Dar)
A. Sadiki, BAEd (Dar)

Department of History, Political Science and Development Studies
Senior Lecturer and Head
J. S. Kihamba, BA, MA, PhD (Dar)

Senior Lecturers
A. S. Msellemu, BA, MA, PhD (Moscow)
E. Babeiya, BA, MA, PhD (Dar)
**S. Mhajida, BAEd., MA (Dar), PhD (Goettingen)
C. Masawe, BA, MA (Dar), PhD (London)
J. S. Kihamba, BA, MA, PhD (Dar)
A. Mazigo, BA, MA (Dar), PhD (Stellenbosch)
F. J. Mateng'e, BA, MA, PhD (Dar)

Lecturers
M. Mwaihuti, BA, MA, PhD (Dar)
N. K. Ngullu, BAEd, MA (Dar), PhD (Goettingen)
Q. Kigume, BA, MA, PhD (Dar)
R. S. Peter, BA, MA, PhD (Dar)
Y. Yulli, BA, MA, PhD (Dar)
S. Ayo, BAEd, MA (Dar), PhD (UCM)
H. A. Urassa, BAEd, MA (Dar), PhD (UCM)
Y. A. Vakolavene, BAEd, (Dar), MA (London), PhD (Goettingen)
S. Dini, BA, MA, PhD (Dar)
A. Kerindo, BAEd, MA (Dar), PhD (UCM)

Assistant Lecturers
E. Kihongo, BAEd, MA, PhD
N. Shiyo, BA (Dar), MA (Morogoro)
G. Magoti, BA (Dar), MA (Morogoro)
*S. Mtabazi, BA, MA (Dar)
*P. E. Kadalida, BA, MA (Dar)
*S. Mwakalinga, BA, MA (Dar)
*H. A. Kapuya, BA, MA (Dar)
H. Balalu, BAEd, MA (Dar)
K. V. Dillunga, BA, MA (Morogoro)
G. E. Ntobi, BA, MA (Dar)
M. N. Nanyaro, BA, MA (Morogoro)

Tutorial Assistants
M. F. Mosha, BA (Dar)
*J. M. Damas, BA (Dar)
A. I. Kalwani, BA (Dar)
I. R. Kisinda, BAEd (Dar)
M.O. Mahumbi, BA (Dar)
K. Mahondo, BAEd (Dar)

FACULTY OF SCIENCE
Associate Professor and Dean
D. S. Kacholi, BSc (Morogoro), MSc (Dar), PhD (Goettingen)

Administrative Officer
F. Antto, BA Phil, BA Theol (Roma), MPA (Beijing)

Office Secretary
V. Mgidya, Dip (TPSC)

Department of Biological Sciences
Lecturer and Head
N. G. Mogha, BSc (Dar), MSc (Addis Ababa), PhD (Bonn)

Associate Professor
D. S. Kacholi, BSc (Morogoro), MSc (Dar), PhD (Goettingen)

Senior Lecturer
J. S. Bakuza, BSc, MSc (Dar), PhD (Glasgow)
F. Mkonyi, BSc, MSc (Dar), PhD (Arusha)

Lecturers
N. G. Mogha, BSc (Dar), MSc (Addis Ababa), PhD (Bonn)
F. Mwingira, BSc, MSc (Dar), PhD (Basel)
M. Mgendi, BSc, MSc, PhD (Dar)
D. Joseph, BSc, MSc, PhD (Dar)
L. Mulamula, BSc, MSc, PhD (Dar)
R. Alex, BSc, MSc (Dar). PhD (Arusha)
O. John, BSc, MSc, PhD (Dar)
M. January, BSc (Dodoma), MSc, PhD (Fukuoka)
H. A. Mvungi, BSc, MSc, PhD (Dar)

Assistant Lecturers
H. Kangusi, BSc (Dar), MSc (Dar)
E. Erasto, BSc (Dar), MSc (Henan)
*U. Mustafa, BSc, MSc (Dar)
*I. Makombe, BSc, MSc (Dar)
C. L. Hambo, BSc (Morogoro), MSc (China)
M. Hassan, BSc (Dar), MSc (Abadin)
Z. Ismail, BSc, MSc (Dar)
A. Kamungu, BSc MSc (SUA)

Tutorial Assistants
J. B. Mhanga, BSc (Dar)

Laboratory Scientists II
G. E. Mushi, Dip, BSc (Dar)
J. C. Mgaka, FTC, BSc (Dar)
*E. J. Kilumile, BSc (Morogoro)
A. Idrissa, Dip, BSc (Dar)

Laboratory Technicians II
E. A. Meshack, Dip (Arusha), BSc (Dar)
T. E. Machia, Dip (Dar)

E. F. Mkama, Dip (Arusha)
S. Kihaka, Dip (Morogoro)
K. Hassan, BSc (Dar)
H. Maduhu, Dip (Morogoro)

Department of Chemistry
Senior Lecturer and Head
J. Mgaya, BSc, MSc, PhD (Dar)

Senior Lecturers
J. Mbuna, BSc, MSc (Dar), PhD (Okayama)
D. Shilla, BSc (Dar), MSc (Auckland**)**, PhD (Ryukyus)
S. Mlowe, BSc, MSc (Dar), PhD (Zululand)
J. Mgaya, BSc, MSc, PhD (Dar)

Lecturers
J. T. Zacharia, BSc, MSc (Dar) PhD (Kobe)
E. Mbukwa, BSc (Dar), M.Phil. (Gaborone), PhD (Johannesburg)
F. Hamad, BSc, MSc (Dar), PhD (Gent)
A. Kitalika, BSc, MSc (Dar), PhD (Arusha)
S. John, BSc, MSc (Dar), PhD (Qingdao)
M. Petro, BSc, MSc (Dar), PhD (Wuhan)
P. Lucas BSc, (Dar), MSc, PhD (Arusha)
S. Mtavangu, BSc, (Dar), MSc (Arusha), PhD (Ku Leuven - Belgium)

Assistant Lecturers
F. Olambo, Dip (Mwanza), BSc (Kilimanjaro), MSc (Dar)
E. Nkotya, BSc (Dar), MSc (Hungary)
K. A. Kaishe, BSc, MSc (Dodoma)

Tutorial Assistants
E. G. Nyoni BSc (Dar)
C. Y. Msomba BSc (Dar)
H. Kawia BSc (Dar)

Labaratory Scientist
M. A. Shitindi, BSc (Mbeya)

Senior Laboratory Technician II
S. A. Ndembo, Dip (Dar)

Laboratory Technician II
B. Kangoye, Dip, BSc (Mbeya)
K. Amwesiga, Dip (Mbeya)
E. Pallangyo, Dip (Mbeya)

Laboratory Technician I
E. L. Makoye, Dip (Mbeya)
E. I. Mwaisemba, Dip (Mbeya)

Department of Physics, Mathematics and Informatics
Lecturer and Head
Z. S. Mussa, Dip, BSc, MSc (Dar), PhD (Lappeenranta)

Senior Lecturers
T. Sagamiko, BSc, MSc, PhD (Dar)
G. G. Mwanga, BSc (Dar), MSc (Johannesburg), PhD (Lappeenranta)
F. Chuma, Dip (Morogoro), BEd, MSc (Dar), PhD (Arusha)

Lecturers
J. Mpele, BSc (Dar) MSc (Nairobi), PhD (Arusha)
Y. Msambwa, BSc, MSc (Dar), PhD (Nottingham)
Z. S. Mussa, Dip, BSc, MSc (Dar), PhD (Lappeenranta)
E. Ngailo, BSc, MSc (Dar), PhD (LINKÖPING)
M. Ryoba, BSc, MSc (Dar), PhD (Shanghai)
D. Mukama, Dip (Morogoro), BEd, MSc (Dar), PhD (Changchun)
H. A. Kayange, BSc, MSc (Dar), PhD (Shanghai)
E. Yohana, BEd (Dar), MSc (Johannesburg), PhD (Durban)
A. Lighuda, Dip (Mwanza), BEd (Kilimanjaro), MSc (Dar), PhD (Dar)
F. Lolila, BSc, MSc, PhD (Dar)
F. Kapile, BSc, MSc (Dar), PhD (Arusha)

Assistant Lecturers
*E. Maloda, BSc, MSc (Dar)
H. H. Mwanyika, BSc, MSc (Dar)
J. Chiuyo, BSc, MSc (Dar)
*M. Lusato, BSc, MSc (Dar)
S. Semba, BSc, MSc (Dar)
*S. Amos, BSc, MSc (Dar)
Y. Mnyawami, BSc (Iringa), MSc (Dodoma)
D. E. Safari, BSc, MSc (Dar)
L. John, BSc (Dar), MSc (Arusha)
*C. Samson, BSc (Morogoro), MSc (Kaiserslautern)
*A. Okey, BSc (Dar), MSc (Arusha)
*A. Reuben, BSc (Morogoro), MSc (Arusha)
*C. C. Ngirwa, BSc (Dar) MSc (Arusha)
*L. Pascoe, BSc (Dar), MSc (Arusha)
R. O. Ndabhiama, BSc, MSc (Dar)
*B. Mvungi, BSc (Dar), MSc (Kyoto)
*M. E. Phillipo, BSc (Dar), MEng (Tianjin)
Z. E . Moshi, BSc (Loyola), MSc (Arusha)
C. K. Kajuna, BSc (Kampala), MSc (Nairobi)
J. Sija, BSc, MSc (Dar)
F. Mbuya, BSc (Dar) MSC (Edinburgh)
P. M. Kalabaheleye, BSc, MSC (Dar)
J. Foya, BSc, MSc (Dar)
Tutorial Assistants
*E. Panja, BSc (Dar)
L. Wambura, BSc (Dar)
H. F. Mwacha, BSc (Kilimanjaro)
K. M. Kitalima BSc (St. John's - Dodoma)

Senior Laboratory Technicians II
S. Isafu, Dip, BECE (Dar)
A. Makawa, Dip, BSc (Dar)

Laboratory Technicians II
S. Ibrahim, Dip, BSc (Mbeya)

Laboratory Technicians I
A. O. Mwinuka, Dip (Dar)
A.P. Msyani, Dip (Arusha)
P. Machumu, BSc (Iringa)

College Library
Senior Lecturer and Director
D. Shilla, BSc (Dar), MSc (Auckland), PhD (Okinawa)

Librarian/Lecturer
P. Kayungi, Dip (Morogoro), BEd, MA, PhD (Dar)
L. A. Leonidas, B. Info. Syst & Net. Eng. (Dodoma), MSc (Tamil Nadu), PhD (Wuhan)
E. G. Pallangyo, B. Computer Sc. (Arusha), MA (Dar), PhD (OUT)

Assistant Librarians
D. H. Danda, BSc, MA (Dar)
E. E. Mallya, BLIS (Kampala), MA (Dar)
E. K. Ngassa, BLIS (Kampala), MA (Dar)
A. J. Makawa, B. Computer. Sc. (Dar), MBA (Arusha)
E. F. Mwakasege, B. ICT with Business (Morogoro), MSc (Korea)
T. M. Saning'o, B. Information Technology (Arusha), MBA (Arusha)

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*   On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

INTRODUCTION

Mkwawa University College of Education (MUCE) is located in the Southern Highlands of Tanzania, in Iringa Municipality, about 3 kilometres from Iringa town centre. MUCE was established as a constituent college of the University of Dares Salaam on the 1st of September, 2005 by upgrading the former Mkwawa High School, in response to the growing demand for teachers. It was upgraded to a constituent college of the University of Dar es Salaam by order under Section 55 (1) of the University of Dar es Salaam Act No. 12 of 1970 and published in the Government Notice No. 2003 on the 22nd of July, 2005.

MUCE consists of three Faculties, i.e., Faculty of Education (FoED), Faculty of Humanities and Social Sciences (FoHSS) and Faculty of Science (FoSC). Candidates admitted into the College pursue undergraduate and postgraduate degree programmes in Science and Arts.

STUDENTS' GENERAL INFORMATION

Administration

MUCE Students' Administration is headed by the Directorate of Students' Services, which deals primarily with personal and social welfare aspects of students' life. This directorate oversees the provision of such services as accommodation, games and sports, spiritual and students counselling in various issues as well as career guidance and counselling. The Directorate of Students' Services also assists the Deputy Principal (Planning, Finance and Administration) in students' disciplinary matters.

Accommodation

A limited number of rooms in the halls of residence are available on application before the beginning of the academic year. As such accommodation in the halls is not guaranteed for every student. Students are thus urged to find their own accommodation outside the campus.

Payment for accommodation is made through Government Electronic Payment Gateway (GePG) using Control Numbers. Students are not given rooms in the halls of residence until they pay the prescribed rent. Priority for on – campus accommodation is given to students with disabilities, foreign students and female first year students. Currently, the price per student per day is Tshs. 800.00x120 days per each semester. In addition, students are required to set apart accommodation caution money of TZS. 10,000.00 payable once during the first year.

Students' Activities

Most of the students' activities are organised by the students' union **(DARUSO-MUCE)**. The students' organisation is concerned with the students' academic, political, social and recreational activities. Students are encouraged to form academic and/or professional organisations. They are also encouraged to form and join social organisations that have been registered. New social and academic organisations are registered with the Directorate of Students' Services.

Catering

The College offers cafeteria services for all meals to students at subsidised prices. The meals are paid for at the cafeteria counters. The College has two cafeterias on campus and few canteens (Food vendors) near Hall VI, which have the capacity to serve the present student population.

Medical Services

MUCE owns and operates a Health Centre, which provides both curative and preventive medical services to students, staff members, staff families and to the general public. The Health Centre is located within the College campus and it operates for 24 hours. The Health Centre provides outpatient services, specialised clinics, reproductive and child health clinics, HIV/AIDS care and treatment clinics and minor theater. There are two inpatient ward wings, for male and female patients, with a 26-bed capacity. The Health Centre offers its services through insurance including National Health Insurance Fund (NHIF)

scheme. Students who report at the Health Centre for treatment are required to produce NHIF identity cards, which can be obtained from NHIF at a cost of TZS 50,400.00 per year.

College Library
MUCE Library is an academic unit which is an integral part of the College in pursuit of its core activities, namely teaching, research and public service. The primary role of the library is to provide information services to support teaching, learning and research functions of the academic and research community.

Library Opening Hours

During Semester Time	Monday – Saturday	08.00 am	10.00 pm
	Sundays and Public Holidays	02.30 pm	10.00 pm
During Vacation	Monday–Friday	08.00 am	04.00 pm
	Saturdays, Sundays, and Public Holidays	Closed	

POSTGRADUATE PROGRAMMES OFFERED
MUCE offers 14 postgraduate programmes as shown in the table below:

MUCE Postgraduate Programmes: Tuition and Delivery Modes

No	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fees (Tanzanian - TZS)	Tuition Fees (Non-Tanzanian - USD)
1	Postgraduate Diploma in Education	Coursework and Project Paper	Evening	12 months	2,600,000	3,075
2	Master of Science with Education (Biology, Mathematics, Physics & Chemistry Stream)	Coursework and Dissertation	Fulltime	24 months	4,250,000	6,150
3	Master of Arts with Education (Geography Stream)	Coursework and Dissertation	Fulltime	24 months	4,000,000	6,150
4	Master of Science in Applied Zoology	Thesis	Fulltime	24 months	4,250,000	6,150
5	Master of Science in Applied Botany	Thesis	Fulltime	24 months	4,250,000	6,150
6	Master of Science in Natural Resources and	Coursework and Dissertation	Fulltime	24 months	4,000,000	6,150

No	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fees (Tanzanian - TZS)	Tuition Fees (Non-Tanzanian - USD)
	Human Security Studies					
7	Master of Science in Mathematical Modelling	Coursework and Dissertation	Fulltime	24 months	4,250,000	6,150
8	Master of Science in Integrated Green Chemical Sciences	Thesis	Fulltime	24 months	4,250,000	4,020
9	Master of Science in Physics of Sustainable Energy Resources	Thesis	Fulltime	24 months	4,250,000	4,020
10	Doctor of Philosophy (PhD) in African Studies	Thesis	Fulltime	36 months	3,000,000 (per year)	6,150
11	Doctor of Philosophy (PhD) in Educational Studies	Thesis	Fulltime	36 months	3,250,000 (per year)	6,150
12	Doctor of Philosophy (PhD) in Computational Science and Mathematical Modelling	Thesis	Fulltime	36 months	2,500,000 (per year)	6,150
13	Doctor of Philosophy (PhD) in Integrated Chemistry	Thesis	Fulltime	36 months	2,500,000 (per year)	6,150
14	PhD in Environmental Resources Management	Thesis	Fulltime	36 months	3,000,000 (per year)	6,150

FACULTY OF EDUCATION (FoED)

POSTGRADUATE DIPLOMA IN EDUCATION (PGDE)

1. Introduction

The Postgraduate Diploma in Education (PGDE) is an evening programme designed for students who intend to combine work and studies. PGDE targets students who intend to work or are already working within the education sector and wish to join the teaching profession. The programme leads to certification in the teaching profession equivalent to BScEd, BAEd or BEd degrees. The PGDE is offered flexibly to individuals who wish to develop a career in teaching but are unable to attend a regular similar full-time programme due to time constraints or work demands.

2. How the Programme is Offered

The focus of the programme is on demagogical competencies and understanding of philosophy and foundations of education, as entrants are expected to have undergone training in their subject content area during their undergraduate or advanced diploma studies. The programme is offered through interactive sessions covering a wide range of issues in education. The underlying aim is to develop candidates as reflective and highly skilled teachers in their subject areas of specialisations. The programme is offered during evening hours from 3.00 p.m. Typical learning sessions consist of lectures, seminars, guest lectures and practicum in teaching sessions. Students are encouraged to engage in recent debates and literature in education to inform their studies and arguments presented in various assignments.

3. Assessment and Evaluation

In this particular programme, students are assessed using different modalities such as assignments, seminars and presentations, research papers, examinations (quizzes, tests and examinations). The grading in the course is set in accordance with the rules and regulations of the postgraduate programmes at the University of Dar es Salaam; whereby the continuous assessment/coursework constitutes 50% and the University Examination constitutes 50% unless stated otherwise.

4. Programme Structure and Content

The structure and content of the Postgraduate Diploma in Education (Evening) Programme consists of 168 credits distributed into core courses (120 credits), practicum in teaching (24 credits), field report (24 credits) and electives (24 credits) offered flexibly during evening hours. To be able to graduate, a candidate must accumulate a minimum of 168 credits, and should not exceed 180 credits. The list of the courses is as shown in Table 3.

Table 3: List of Post Graduate Diploma in Education Core and Elective Courses

Semester 1			Semester II		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
CT 501	Principles of Curriculum Development and Teaching	12	CT 509	Classroom Interaction and Research	12
EP 500	Introduction to Educational Psychology	12	CT 512	Didactics	12
EF 500	Principles of Education	12	EP 503	Educational Assessment and Evaluation	12

FE 502	Research Methods in Education	12	EA 500	Management of Education and School Administration	24
	Elective I		CT 523	Practicum in Teaching	24
				Elective II	**24**
			FE 599	Field Report	12

PhD in Educational Studies (by Thesis)
1. Introduction
This programme prepares advanced educators, researchers, and practitioners to tackle pressing educational challenges through rigorous, original research. It aligns with SDG 4 and national priorities (TDV 2025/2050) and supports UDSM Vision 2061 by strengthening excellence in teaching, research, and knowledge exchange. Delivery is blended: candidates interact with supervisors online (e.g., ARIS 3.0/Zoom/email) with required on-campus presentations for proposals and research reports. Graduates develop deep scholarly expertise, ethical and inclusive practice, and leadership for policy and institutional improvement.

2. Minimum Admission Requirements
 A master's degree in Education with GPA ≥ 3.5, or average "B" for an unclassified Master's, or a "Pass" for a Master's by thesis, from a TCU-recognised institution.
 A Bachelor's degree with GPA ≥ 2.7 from a TCU-recognised institution.
Applicants with foreign awards must obtain NECTA and TCU verification before applying.

3. Graduation Requirements
Candidates undertake independent research culminating in a PhD thesis. Progress milestones include supervised proposal development and defense, ethical clearance, fieldwork/data collection, data analysis, thesis write-up, and preparation for examination. The thesis is examined by internal and external examiners, and candidates must successfully defend it in a viva voce. In addition, all PhD-by-thesis candidates must publish at least one paper in a journal recognised by UDSM during their studies. Assessment processes are conducted with attention to inclusivity and fairness.

FACULTY OF HUMANITIES AND SOCIAL SCIENCES (FoHSS)
MASTER OF ARTS WITH EDUCATION (GEOGRAPHY)
1. Programme Objectives and Philosophy
Master of Arts with Education (MAEd) is designed for Geography educators who want to further develop subject mastery and pedagogical, scholarly, research and leadership abilities through in-depth study in theory and practice. In Tanzania, and other surrounding countries, there is awareness about the importance of highly skilled teachers in improving the education sector. As identified in the Tanzania Vision 2025, high level of quality education and knowledge is important to respond to development challenges. This programme is designed to prepare a person who wishes to pursue advanced professional development in the content and pedagogy of Geography education (e.g. a teacher in Geography, a community-based specialist, curriculum consultant or advocate in Geographical issues). For individuals who wish to continue working in the teaching profession, this 24-month degree programme provides a basis through which a graduate will become a qualified teacher in both content and pedagogy. The philosophy therefore is training for the improved social transformation.

2. Entry Requirements
A candidate shall be deemed eligible for consideration for admission to a Master of Arts with Education Programme if they have one of the following:
i.   First degree in education [e.g. BA Ed., BEd (Arts) or BSc (Ed.) degrees] from any recognised University with at least a lower second GPA of not less than 2.7 or its equivalent. One has to have studied Geography in the undergraduate degree; OR

ii.   First degree in BA (Geography and Environmental Studies) and others of that nature plus a Postgraduate Diploma in Education (PGDE) from any recognised institution with at least an average pass of B in their final University Examination.

3. Expected Learning Outcomes
A graduate of Master of Arts with Education will have well developed skills in:
i.   teaching Geography in secondary schools, colleges and universities;
ii.   applying education principles, approaches and theories in improving teaching and learning processes;
iii.   assessing and analysing various theories, principles and concepts related to education and Geography;
iv.   identifying and analysing challenges that constraint education sector in Tanzania and beyond;
v.   identifying opportunities to strengthen education sector and enhance performance of students in schools and colleges;
vi.   doing research on education and Geography which will contribute to new theoretical insights and practical approaches to education and promote scholarly publications; and
vii.   planning, managing and analysing educational policies, programmes and projects.

4. Nature of the Programme
The programme consists of coursework and dissertation which lasts for 24 months where three semesters will be for coursework and one semester is for proposal, data collection and report writing.

5. Methods of Instruction
The programme involves various instructional methods including; lectures and discussions, practicals, assignment, seminar, presentations, independent studies and excursions.

6. Assessment and Evaluation
Students will be assessed in this particular programme using different modalities including: assignments, seminars and presentations, research papers, and examinations (quizzes, tests and exams).

The grading in the course shall be in accordance with the rules and regulations of the postgraduate programmes of UDSM; in which the coursework constitutes 50% and the final examination 50% unless stated otherwise.

7. List of Courses
The description of courses is summarised in Table 4.

Table 4: List of Master of Arts with Education Core and Elective Courses

Year	Semester I				
	Course Code	**Title**	**Status**	**Credits**	
1	GE 630	Geographic Thought	Core	12	
	GE 631	Climate Change and Human Adjustments	Core	12	
	CT 600	Curriculum and Teaching	Core	24	
	A Student will choose 24 Credits from the following				
	EP 603	Psychology of Child Devel- opment	Elective	24	
	EP 604	Theories of Teaching and Learning	Elective	24	
	AE 601	Open and Distance Learning	Elective	24	
	GE 628	Population, Resources and Environment	Elective	12	
	GE 641	Environmental Disaster Management and Sustainable Human Development	Elective	12	
	Total			**72**	
	Semester II				

	EF 601	Comparative Education	Core	24
	GE 634	Spatial Development Theories and Environmental Resources Management	Core	12
	GE 633	Applied Geographical Information Systems	Core	12
	GE 632	Geographical Research Methods	Core	12
	A Student will choose 12 Credits from the following			
	GE 637	Tourism and Development	Elective	12
	GE 643	Water Resources, Planning and Management	Elective	12
	GE 644	Environment, Food and Development	Elective	12
	Total			**72**
2	**Semester I**			
	GE 645	Strategic Urban Environmental Management	Core	12
	EA 601	Policy, Planning and Administration	Core	24
	GE 636	Integrated Natural Resources Management	Core	12
	A Student will choose 24 Credits from the following			
	EA 603	Educational Planning and Financing	Elective	24
	PE 601	Youth and Sports Development	Elective	24
	CT 607	Advanced Curriculum Development	Elective	24
	GE 635	Environmental Conservation Policies and Strategies	Elective	12
	GE 640	Urban Planning and Management in a Globalising World	Elective	12
	GE 642	Medical Geography	Elective	12
	Total			**72**
	Semester II			
	MA 699	Dissertation	Core	12
Grand Total				**228**

Master of Science in Natural Resources and Human Security Studies (MSc. NRHSS)

1. Programme Objectives and Philosophy

The programme aims at providing skills and knowledge that integrate natural resources and human security. It builds capacity on conflict mediation and resolution emanating from natural resources exploration, extraction, use and marketing in order to meet the human resource demands in the government, research institutions and natural resource exploitation firms in Tanzania and beyond for sustainable natural resource use and human security.

2. Entry Requirements

A candidate shall be eligible for admission to this programme if they have any of the following qualifications:

i.   A minimum GPA of 2.7 in the Bachelor's degree in any of the following subjects: Geography, Hydrology, Ecology, Biology, Economics, Forestry or Wildlife Management, Agricultural Science, Natural Resource Management, Geology, Community Development and Environmental Science.

ii. A postgraduate diploma in a related discipline.

3.   Expected Learning Outcomes

At the end of the course, students are expected to be able to:

i.   Analyse the relationship between natural resources and human security

ii.   Examine practices in key natural resource conservation,

iii. Analyse possible conflicts in natural resource utilisation and propose feasible mitigation measures

iv.   Evaluate spatial fixes in natural resource management.

4. Nature of the Programme

The programme consists of coursework and dissertation which lasts for 24 months where the first two semesters will be for coursework and the last two semesters are for proposal, data collection and report writing.

5. Methods of Instruction

The programme involves various instructional methods including; lectures, practicals, assignments, seminars, presentations, independent studies, excursions.

6. Assessment and Examinations

Students will be assessed in this particular programme using different modalities including: assignments, seminars and presentations, research papers, and examinations (quizzes, tests and exams).

The grading in the course shall be in accordance with the rules and regulations of the postgraduate programmes of UDSM; in which the coursework constitutes 50% and the final examination 50% unless stated otherwise.

7. List and Description of Courses

The description of courses is summarised in Table 5:

Table 5: List of Master of Science in Natural Resources and Human Security Studies Core and Elective Courses

Year	Semester I			
	Course Code	**Title**	**Status**	**Credits**
1	HG 600	Perspectives on Natural Resources Management and Human Security	Core	12
	HG 603	Natural Resources Impact Assessment	Elective	12
	HG 606	Institutional Frameworks on Natural Resources and Human Security	Core	12
	HG 607	Food and Human Security	Elective	12
	HG 609	Climate Change, Resources and Human Security	Core	12
	HG 610	Vulnerability, Risk and Resilience	Elective	12
	In addition to core courses, a student has to take two elective courses			
	Semester II			
	HG 601	Natural Resources, Disaster and Human Security	Elective	12
	HG 602	Research Design in Natural Resource and Human Security Studies	Core	12
	HG 604	Applied Remote Sensing and Geographical Information Systems in Natural Resources and Human Security	Core	12
	HG 605	Natural Resources, Public Health and Human Security	Elective	12
	HG 608	Population Dynamics, Resources and Human Security	Core	12
	HG 611	Project Planning, Monitoring and Evaluation in Natural Resources and Human Security	Elective	12
	HG 612		Elective	12

		Environmental Economics and Human Security		
2	**Semester I & II**			
	HG 699	Dissertation	Core	60
	Grand Total			**180**

POSTGRADUATE PROGRAMMES BY THESIS
PhD in African Studies
1. Introduction
The programme aims to equip students with advanced analytical and synthetical skills on Africa's pressing socio-economic and political issues through rigorous research training and practice. Students enrolled in PhD African Studies will carry out research that will focus on areas such as political economy, the history of industrialisation, the history of environmental conservation and climate change, as well as natural resources management with a focus on extractives. Other areas include governance, peacekeeping and conflict management, agricultural systems, public service delivery, tourism and heritage, history of diseases, health systems and policy as well as dynamics of international relations.

2. Admission Requirements
To be admitted into a PhD in African Studies, an applicant should hold a master's degree (UQF level 9) in History, Political Science, Public Administration, Development Studies, African Studies, Economics, Anthropology and Sociology and other related Humanities and Social Sciences fields from a recognised Higher Learning Institution with a minimum GPA of 3.0, B grade, or pass for a master's degree by thesis.

3. Graduation Requirements
To qualify for the award of PhD in African Studies, candidates are required to complete a series of academic and research work leading to the submission of a PhD thesis. Candidates must present at least three seminars—one during the proposal stage and two during the research stage before examination. Further, the student must publish at least two academic papers in reputable outlets to be allowed to graduate. A thesis is evaluated by a panel comprising at least one independent internal examiner and one external examiner from outside the University, followed by a viva voce examination conducted by a panel of at least five examiners, including independent internal and external examiners or their representatives.

PhD in Environmental Resources and Management

1. Introduction
This programme aims to produce well trained and competent researchers in environmental resources and their management. Students enrolled in this PhD programme will be required to carry research in renewable resources (i.e., water, air, soil, biodiversity), non-renewable resources (i.e. fossil fuel, minerals), ecosystem and habitat (i.e. forests, oceans, wetlands, grasslands), energy resources (i.e. wind, solar, hydro, geothermal, biomass) and the related areas.

2. Admission Requirements
To be admitted into a PhD in Environmental Resources and Management, an applicant should hold a master's degree (UQF level 9) in Geography, Environmental Science, Natural Resources Management, Climate Change, and related fields from a recognised Higher Learning Institution with a minimum GPA of 3.0, B grade, or pass for a master's degree by thesis.

3. Graduation requirements
To qualify for the award of PhD in Environmental Resources and Management, candidates are required to complete a series of academic and research work leading to the submission of a PhD thesis. Candidates must present at least three seminars—one during the proposal stage and two during the research stage before examination. Further, the candidate must publish at least one academic paper in

reputable outlets to be allowed to graduate. A thesis is evaluated by a panel comprising at least one independent internal examiner and one external examiner from outside the University, followed by a viva voce examination conducted by a panel of at least five examiners, including independent internal and external examiners or their representatives.

FACULTY OF SCIENCE (FoSC)
Master of Science with Education
1. Programme Description
The MSc (Ed) programme is intended for graduate science teachers who want to expand scope and depth of their knowledge base in the major areas of natural science and mathematics, and advance their professional career as science teachers. In order to cater for the large number of science teachers, the programme is offered in the mode of coursework and dissertation and the duration is two years on a full-time basis. The course-work programme component consists of science discipline-based and education courses. A candidate shall major in only one science subject: Chemistry or Biology. The choice of courses and the specific contents has been made carefully, guided by results of a tracer and needs assessment report, to ensure fundamental concepts are not missed. The choice has also considered the specific content knowledge base that is necessarily required for effective science/mathematics teaching.

2. Entry Requirements
Admission into the programme will be in accordance with the University of Dar es Salaam regulations regarding postgraduate studies. Candidates applying for the MSc. (Ed.) programme should hold BSc (Ed) or BEd (Science) degrees from a recognised institution. Graduates from non- education science degree programmes, or equivalent qualifications will be required to undertake a Postgraduate Diploma in Education as a prerequisite programme prior to admission into the MSc (Ed) programme.

3. Programme Structure
The MSc. (Ed.) is a taught programme comprising coursework and dissertation, and the duration shall be 24 months (two years) full-time. Coursework will run over a period of two semesters of 15 teaching weeks each, with final examination at the end of each semester. The second year shall be devoted to research and writing dissertation. During the second semester of the first year, students will be required to develop research proposals detailing the theoretical background and methodology, as a preparation for research and dissertation work.

The coursework programme consists of science discipline-based and science education courses. The science education component will be offered by the Faculty of Education. Science discipline-based courses comprise basic sciences, namely Biology (BL), Chemistry (CH), Physics (PH) and Mathematics (MT), in which a candidate shall major in only one of these subjects. Some of the science courses are drawn from among those offered in the existing MSc programmes in the respective Departments of the College of Natural and Applied Sciences. In essence, there will be four streams, namely, BL/ Ed, CH/Ed, PH/Ed and MT/Ed.

A student is required to take a minimum number of 144 credits (consisting of both core and elective courses) during the coursework year and 72 credits for dissertation during the second year. Therefore, the minimum number for a candidate to graduate is 216 credits. A candidate must pass both the coursework and dissertation to qualify for the degree award.

4. List of Courses
Core Courses

Course Code	Course Title	Credits	Semester
FE 600	Research Methods in Education	24	I
EP 604	Theories of Teaching and Learning	24	
CT 605	Computer Assisted Learning	24	II
Total		**72**	

Education Courses
Elective Courses

Course Code	Course Title	Credits	Semester
CT 600	Curriculum and Teaching*	24	I
CT 603	Professional Development in SMT*	24	
CT 604	Assessment of Performance in SMT*	24	II
EA 607	Management of Education Systems and Institutions*	24	

Biology Stream
Core Courses

Course Code	Course Title	Credits	Semester
ZL 604	Protozoology and Helminthology	12	
BL 617	Molecular Biology	12	I
BL 661	Advanced Genetics	12	
BL 662	Biological Methods and Techniques	12	
BL 607	Biostatistics	12	II
BL 663	Advanced Physiology	12	
BL 699	Dissertation	72	
Total		**144**	

Elective Courses

Course Code	Course Title	Credits
BC 604	Aquatic Biodiversity and Conservation	12
BT 605	Plant Protection	12
BL 668	Soil/Plant Water Relations	12
BL 670	Fauna and Flora of East Africa	12
ZL 612	Animal Reproductive Physiology	12
ZL 616	Insect Ecology, Pest and Vector Management	12

Chemistry Stream
Core Courses

Course Code	Course Title	Credits	Semester
CH 606	Coordination Chemistry	12	I
CH 619	Physical Chemistry	12	
CH 630	Advanced Analytical Chemistry and Instrumentation	12	
CH 618	Structure, Properties and Applications of Polymers	12	II
CH 651	Chemistry of Biomolecules	12	
CH 699	Dissertation	72	I & II
Total		**132**	

Elective Courses

Course Code	Course Title	Credits
CH 603	Solid State Chemistry	12
CH 607	Advanced Physical Organic Chemistry	12
CH 610	Surface and Colloid Chemistry	8
CH 611	Heterocyclic Chemistry	8

Course Code	Course Title	Credits
CH 613	Advanced Environmental Chemistry	8
CH 616	Chemistry of Natural Products	12
CH 394	Fundamentals of Theoretical Chemistry	12

Master of Science in Mathematical Modelling

1. Introduction

This is a regional programme in mathematical modelling designed to train staff in higher education and researchers from the industry. The programme consists of coursework and dissertation. The minimum credits required are 120 for the coursework part. The coursework covers two semesters (one year), followed by one year of dissertation (60 credits).

2. Entry Requirements

  i. At least a second-class degree with a GPA of not less than 2.7 from a recognised higher learning institution.
 ii. Candidate with a pass degree may also be considered for admission if:
   (a) Their undergraduate performance in the proposed subject of study was a B grade or higher; and
   (b) They have satisfied the University regarding their academic potential through subsequent research experience and/or additional training.
iii. Candidate with a coursework average of B+ or higher in a relevant postgraduate diploma may upgrade to registration for a dissertation leading to a relevant master's degree; and
 iv. Holders of BSc (Ed) or BEd (Sc) degrees from a recognised institution, with a good background in Mathematics.

3. List of Courses

Course Code	Course Title	Credits	Semester
MT 602	Numerical Analysis	12	
MT 619	Applied Functional Analysis	12	
MT 663	Ordinary Differential Equations	12	I
MT 641	Advanced Mathematical Statistics	12	
Elective		12	
MT 631	Stochastic Differential Equations	12	
MT 683	Partial Differential Equations Core	12	
MT 604	Optimisation Methods of Operations Research	12	II
	Elective I	12	
	Elective II	12	
MT 699	Dissertation	60	I & II
Total		**180**	

Elective Courses

Course Code	Course Title	Credits	Semester
MT 601	Advanced Probability Theory	12	II
MT 605	Advanced Linear Algebra	12	II
MT 609	Numerical Solution of PDEs	12	II
MT 610	Complex Analysis	12	II

Course Code	Course Title	Credits	Semester
MT 628	Mathematical Finance and Insurance	12	I
MT 640	Numerical Linear Algebra	12	II
MT 643	Statistical Inference	12	I
MT 644	Stochastic Systems	12	II
MT 646	Bayesian Sampling Methods	12	I
MT 647	Fourier Analysis	12	I
MT 652	Biomathematics	12	II
MT 659	Measure Theory and Integration	12	II
MT 660	Computer Programming	12	I
MT 664	Graph Theory	12	I
MT 665	Mathematical Packages for Scientific Computations	12	II
MT 672	Fluid Dynamics I	12	I

4. Assessment and Examinations

The programme consists of coursework and dissertation. The minimum credits required are 120 for the coursework part. The coursework covers two semesters (one year), followed by one year of dissertation (60 credits). The General University of Dar es Salaam and the College of Natural and Applied Sciences examination regulations governing the award of MSc degrees shall apply to the MSc Mathematical Modelling programme.

POSTGRADUATE PROGRAMMES BY THESIS
PhD in Integrated Chemistry
1. Introduction

The programme aims to equip students with a comprehensive understanding of chemistry's interplay with other scientific fields and prepare them for careers in research, academia, industry, and policymaking, and produce graduates with integrated skills in various interdisciplinary fields where chemistry intersects with other scientific disciplines.

2. Admission Requirements

A holder of a master's degree (UQF level 9) in chemistry and other related fields from a recognised higher learning Institution with a minimum GPA of 3.0, B grade, or pass for a master's degree by thesis from a recognised University.

3. Graduation Requirements

To qualify for the award of PhDIC, candidates are required to complete a series of academic and research work leading to the submission of a PhD thesis. Candidates must present at least three seminars—one during the proposal stage and two during the research stage before examination. A thesis is evaluated by a panel comprising at least one independent internal examiner and one external examiner from outside the University, followed by a viva voce examination conducted by a panel of at least five examiners, including independent internal and external examiners or their representatives.

PhD in Computational Science and Mathematical Modelling
1. Introduction

This programme aims to equip graduates with expertise in mathematical and computational techniques, enabling them to address complex challenges in public health, climate resilience, agricultural optimisation, and industrial innovation.

2. Minimum Admission Requirements

Applicants must hold a master's degree in Computational Science, Mathematics, Statistics, Physics, Computer Science, Engineering, or a related field. The degree should be obtained from a recognised institution with a minimum GPA of 3.5/5.0 (or equivalent). Applicants should also hold a Bachelor's degree with a minimum GPA of 3.0/5.0 (or equivalent) in a relevant field.

3. Graduation Requirements

To qualify for the award of this programme, candidates are required to complete a series of academic and research work leading to the submission of a PhD thesis. Candidates must present at least three seminars—one during the proposal stage and two during the research stage before examination. A thesis is evaluated by a panel comprising at least one independent internal examiner and one external examiner from outside the University, followed by a viva voce examination conducted by a panel of at least five examiners, including independent internal and external examiners or their representatives.

Master of Science in Integrated Green Chemical Sciences

1. Entry requirements

A holder of a bachelor's degree (UQF level 8) in Chemistry and related disciplines or areas from a recognised University with a minimum GPA of 3.0, B grade, or pass for a bachelor's degree from a recognised University.

2. Graduation Requirements

Candidates are required to complete a series of academic and research work leading to the submission of an MSc thesis. Candidates must present at least two seminars—one during the proposal stage and another during the research stage before examination. A thesis is evaluated by a panel comprising at least one independent internal examiner and one external examiner from outside the University, followed by a viva voce examination conducted by a panel of at least five examiners, including independent internal and external examiners or their representatives.

Master of Science in Applied Botany

1. Entry Requirements

The minimum qualification for admission into the programme is an upper second-class Bachelor of Science in the respective Science field from the University of Dar es Salaam or another recognised higher learning institution.

2. Programme Structure

The registration period for the programme shall normally be 24 months. Registration for the programme shall be at the beginning of either semester I or II during the Academic Year. The registration shall be renewed annually. Further guidelines are as contained in the UDSM Postgraduate Guidelines.

3. Assessment and Examinations

Master of Science in Applied Botany by thesis is run for not less than two years on a full-time basis. It is based on research only. The research part consists of proposal writing and thesis. External and internal examiners examine the thesis. To pass the candidate must score a minimum of grade B from the examiners. In addition, for a candidate to graduate from such programme, they must pass the viva voce examination with a grade not below B.

Master of Science in Applied Zoology

1. Entry Requirements

The minimum qualification for admission into the programme is an upper second class Bachelor of Science in the respective Science field from the University of Dar es Salaam or another recognised higher learning institution.

2. Programme Structure
The registration period for the programme shall normally be 24 months. Registration for the programme shall be at the beginning of either semester I or II during the Academic Year. The registration shall be renewed annually. Further guidelines are as contained in the UDSM Postgraduate Guidelines.

3. Assessment and Examinations
Master of Science in Applied Zoology by thesis is run for not less than two years on a full-time basis. It is based on research only. The research part consists of proposal writing and thesis. External and internal examiners examine the thesis. To pass the candidate must score a minimum of grade B from the examiners. In addition, for a candidate to graduate from such programme, they must pass the *viva voce* examination with a grade not below B.

Master of Science in Physics of Energy Resources (MScPSER)
1. Introduction
The Master of Science in the Physics of Sustainable Energy Resources aims to equip graduates with advanced knowledge and skills to address critical global and regional challenges associated with energy generation, utilisation, and sustainability. The programme emphasises sustainable energy solutions, interdisciplinary approaches, and the application of cutting-edge technologies, preparing students for leadership roles in the energy sector.

2. Admission Requirements
To be eligible for admission to the programme, a candidate must meet the general minimum requirements set by the University. Applicants seeking admission to the MScPSER degree programme by thesis at MUCE must hold a bachelor's degree in Physics, Energy, or a related field with a GPA of 3.5 or above from the University of Dar es Salaam or any other higher learning institution recognised by TCU. Before beginning their thesis, candidates must present a concept paper and be assigned a supervisor. Additionally, candidates whose previous degrees were not conducted in English must provide proof of English language proficiency, such as TOEFL, IELTS, or an equivalent certification.

3. Assessment and Examinations
Master of Science in the Physics of Sustainable Energy Resources by thesis is run for not less than two years on a full-time basis. It is based on research only. The research part consists of proposal writing and thesis. External and internal examiners examine the thesis. To pass the candidate must score a minimum of grade B from the examiners. In addition, for a candidate to graduate from such a programme, they must pass the *viva voce* examination with a grade not below B.

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Manager, Planning and Development Unit
B. F. Madyedye AD Dipl (IFM) MBA (RUCO-Iringa) CPA (NBAA, Dar)

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PRINCIPAL ADDRESSES

Principal P.O. Box 2513, Iringa Tel. 026-2702751 Ext. 177 Fax: 026-2702751 E-mail: principal@muce.ac.tz.	Deputy Principal – ARC P.O. Box 2513, Iringa Tel. 026-2701192 Ext. 170 Fax: 026-2702751 E-mail: dp-arc@muce.ac.tz
Deputy Principal –PFA P.O. Box 2513, Iringa. Tel. 026-2701191 Ext. 182 Fax: 026-2702751 E-mail: dp-pfa@muce.ac.tz	Director, Undergraduate Studies P.O. Box 2513, Iringa. Tel. 026-2701192 Fax: 026-2702751 E-mail: dus@muce.ac.tz
Director, Postgraduate Studies, P.O. Box 2513, Iringa. Tel. 026-2701192 Fax: 026-2702751 E-mail: dpgs@muce.ac.tz	Dean, Faculty of Education P.O. Box 2513, Iringa Tel. 026-2700630 Ext. 190 Fax: 026-2702751 foed@muce.ac.tz
Dean, Faculty of Humanities and Social Sciences, P.O. Box 2512, Iringa. Tel. 026-2700636 Ext. 195 Fax: 026-2702751 E-mail: fohss@muce.ac.tz	Dean, Faculty of Science, P.O. Box 2513, Iringa. Tel. 026-2700632 Ext. 188 Fax: 026-2702751 E-mail: fosc@muce.ac.tz
Directorate of Administration and Human Resource Management Management P.O. Box 2512, Iringa. Tel. 026-2700637 Ext. 130 Fax: 026-2702751 hr@muce.ac.tz	Director, Library Services, P.O. Box 2512, Iringa. Tel. 026-2700637 Ext. 117 Fax: 026-2702751 E-mail: library@muce.ac.tz
Manager, Finance Department P.O. Box 2513, Iringa. Tel. 026-2700637 Ext. 168 Fax: 026-2702751 E-mail: finance@muce.ac.tz	Manager, Estates Unit P.O. Box 2513, Iringa. Tel. 026-2701200 Ext. 147 Fax: 026-2702751 estates@muce.ac.tz
Medical Officer In-charge P.O. Box 2513, Iringa. Tel. 026-2702751 Ext. 147 Fax: 026-2702751	Students Organisation (DARUSO-MUCE) P.O. Box 2511, Iringa Tel. 026-2702751 Ext. 147 Fax: 026-2702751

MUCE STAFF LIST

Office of the Principal
Associate Professor and Principal
M. S. Semiono BA Ed. (Dar), MA (Dar), PhD (Dar)

Head, Internal Auditor Unit
N. Kawo, BCom (Ambedkar), MA (Netherlands), CPA (T), NBAA (Dar)

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Tutorial Assistant
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Educational Psychology
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M. A. Mwakifuna, Dip (Klerruu), BEd, MEd (Dar), PhD (University of Tasmania)

Assistant Lecturers
G. M. Mkinga, Bachelor of Counselling (Tumaini), MAASP (Dar)
P. E. Msaki, BA (St. Augustine), MAASP (Dar)
*H. J. Kihaga, BEd, MEd (Dar)
S. M. Anselmus, BEd, MAASP (Dar)

Tutorial Assistants
*J. J. Shadi, BEd (Dar)
*A. M. Aron, BEd (Dar)
F. A. Mvumbagu, BEd SPEL (UDOM)

Department of Educational Foundations and Management
Lecturer and Head
Z. M. Nyagawa, BEd, MEMA,, PhD (Dar)

Educational Foundations
Associate Professors
D. Fussy, BEd, MA (Dar), PhD (Glasgow)

Senior Lecturers
A. R. Mtey, Dip, BA, MA (Dar), PhD (Bristol)

Lecturer
A. Ngao, BEEM (Mzumbe), MEd, PhD (Zhejiang Normal University)
J.R Shuma BEd, MA (Ed), Phd (Dar)

Assistant Lecturers
K. A. Haule, BEd (Dar)
B. E. Chibinda BELM, MA.Ed (Mzumbe)
M. M. Domician B.A. Ed (SAUT, Mwanza), M.A.Ed (Dar)
*A. Z. Mdemu, BEd, MA (Dar)

Tutorial Assistants
N. M. Mpokera, BEd (Dar)
N. M. Nzunda, BEd (Dar)
N. A. Tarmo, BEd (Dar)
A. J. Hizza, BEd (Dar)
S. K. Mwansite (Dar)
*C. L. Ongo, BEEM (Mzumbe)
*A. E Kibuka, BEd (Dar)

Educational Planning and Administration
Lecturers
Z. M. Nyagawa, B.Ed. (Arts), MEMA (Dar)
O. J. Magava, Dip (Korogwe), BEd, MA, PhD (Dar)
A. M. Manaseh, Dip, BEd, MEMA, PhD (Dar)
K. D. Kaduma BEd., MEMA (Dar), PhD (Beijing Normal University, China)

Assistant Lecturers
D. H. Mrema, BAEd, MEMA (Dar)
H. N. Mpeta, BAEd, MA (St. Johns, Dodoma)
V. P. Byerengo, B.A.Ed, (Dar), MEMP (SAUT-Mwanza)
S. S. Kayege BEd, (Dar), MEMP (SAUT-Mwanza)
*E. Makishe, BEd, MEMA (Dar)
*A. Boreka, BA, MEMA (Dar)
*M. M. Shio BEd, MA.Ed (Nairobi)

Tutorial Assistant
*G. F. Phileomon, BEd (Dar)

FACULTY OF HUMANITIES AND SOCIAL SCIENCES
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J. Poncian, BA (Dar), MA (Leeds), PhD (University of Newcastle)

Senior Lecturer and Examinations Officer
P. John, BA, MA , PhD (Dar)

Secretary
R. Kibajiro, Cert, Dip (TPSC, Dar)

Department of Geography and Economics

Senior Lecturer and Head of the Department
T. Haule, BA, MA, PhD (Dar)

Geography
Senior Lecturers
H. Myeya, BA, MA, PhD (Dar)
E. Fundisha, BSc, MSc, PhD (Dar)
T. Haule, BA, MA, PhD (Dar)

Lecturers
E. Michael, BA, MSc (Dar), PhD (Kassel)
U. Msemwa, BA, MA, PhD (Dar)
S. Jibunge BA, MSc (Dar), PhD (SUA)
H. Seki, BSc, MSc (SUA, PhD (University of York)
L. Kassian, BA, MSc, PhD (Dar)

Assistant Lecturers
*A. Saria, BEd, MSc (Dar)
*F. Godfrey, BSc, MSc (Dar)
F. Mahoo, BSc (SEKOMU), MSc. (NM-AIST)
R.L. Makyao, BA, MSc (Dar)

Tutorial Assistant
*I. Madenge, BAGES (Dodoma)
G.A. Mligo, BA (Dar)
E.J. Maarifa, BSc Geoinformatics (Dodoma)

Economics
Senior Lecturers
F. M. P. Mugizi, BA, MA (Dar), PhD (National Graduate Institute for Policy studies)
M. Mbise, BSc, MSc (Morogoro), PhD (University of Malawi)
C. Joseph, BA, MA, PhD (Dar)

Lecturers
L. Donath, BA, MA (Dar), PhD (Nottingham)
J. Mkupete, BA, MA (Dar), PhD (Stellenbisch)

Assistant *Lecturers*
*I. Ngoti, BA, MA(Dar)
*N. Kibiki, BA, MA(Dar)

* P. Masolwa, BA, MA(Dar)
Y. Mwenda, BADEC, MDE (IRDP)
 E.W. Mchukwa, BSc, MSc (Mzumbe)
 J.M. Masige, BA, MA (Dar)

Tutorial Assistant
B. N. Batume, BA (Dar)

Department of Languages and Literature
Senior Lecturer and Head
S. Spemba, BA, MA (Dar), PhD (Stellenbosch)

Linguistics
Senior Lecturers
P. Kanijo, BA, MA(Dar), PhD (Gothernburg)
P. John, BA, MA, PhD (Dar)

Lecturers
S. Kaoneka, Dip (Morogoro), BA, MA, PhD (Dar)
F. Kilowoko, Dip (Morogoro), BEd, MA, PhD (Dar)

Assistant Lecturers
*M. Kiruya, BA, MA(Dar)
*A. Shinyaka, BA, MA (Dar)
*A. Amos, BA (Dar), MA (Osmania)
C. Kisake, B.A (RUCU), M.A (Dar)
M. Jagadi, B.A, MA (SAUT)
J. Mugyabuso, BA, MA (Dar)

Tutorial Assistants
M. Panja, BA (Dar)

Literature
Senior Lecturers
S. Spemba, BA, MA (Dar) PhD (Stellenbosch)

Lecturers
M. Kalenge, BA, MA, PhD (Dar)

Assistant Lecturers
*J. Masamu, BA (Dar), MA (JawaharlalNehru)
*A. Mihayo, BA (Dar), MA (Airlangga)
J. Kidasi, BA (Dar), MA (Allahabad)
A. Wincheslaus, BA, MA (Dar)
S. Yisega, BA, MA (Dar)

Tutorial Assistants
*M. Juma, BA (Dar)

French
Assistant Lecturer
E. Dimbwe, BA(Dar)

Tutorial Assistant
*D. Mgeni, BA(Dar)
*J. Ikombola, BA (Dar)
* M. Philemon, BA (Dar)
D.Y. Gervase, BA (Dar)

Chinese
Tutorial Assistants
B. M. Charles, BA (Dar)
*D.J. Augustino, BA (Dodoma)

Kiswahili
Senior Lecturers
A. Kasebele, BA, MA, PhD (Dar)

Lectures
P. Mwashota, BA, MA, PhD (Dar)
G. Kawonga, Cert (Mtwara), BA, MA, PhD (Dar)
F. Nchimbi, Dip (Mpwapwa), BA, MA, PhD (Dar)
C. Maggati, Cert, Dip (Morogoro), BA, MA, PhD (Dar)
P. Mhango, Cert (Butimba), BA, MA, PhD (Dar)
D. Ramadhani, Dip (Mpwapwa), BEd, MA (Dar), PhD (Dar)
D. Rutagwerela, Dip. Ed. (Mpwapwa), B.A. (Ed.), MA, PhD (Dar)
W. Mtega, BA (Morogoro), MA, PhD (Dar)
G. Kimbi BA, MA, PhD (Dar)

Assistant Lecturers
J. K. Haule, BA, MA (Dar)
P. K. Kagwa, BA, MA (Dar)

Department of History, Political Science and Development Studies
Senior Lecturer and Head of the Department
E. Mgaya, BA, M.A. History (Dar), PhD (Victoria)

History
Senior Lecturers
A. Jackson, BA, MA, PhD (Dar)
E. Mgaya, BA, M.A. History (Dar), PhD (Victoria)
S. Mteti, BA, MA, PhD (Dar).

Lecturers
T. Ombori, BA, MA (Dar), PhD (Ferrara)
J. Leonard, BA, MA, PhD (Dar)
M. Bungaya, BA, MA, PhD (Dar)

Assistant Lecturers
*M. Kasimu, BA, MA(SAUT)
*H. Luoga, Dip (Morogoro), BA, MA (Dar)
*I. G. Ndossi, BA, MA (SAUT)
*C.J. Sabuni, BA (RUCO), MA (SAUT)
S. Nkwabi, BA, MA (Dar)

Tutorial Assistants
*S. Lilanga, BA (Dar)
M. Said, BA (Dar)
J. Sayi, BA (Dar)

Political Science
Lecturers
Y. Daudi, Dip (Korogwe), BA (Dar), MPP(Peking), PhD (Dar)
P. Thadey, BA, MA PhD (Dar)
M. Mgonja, Cert (Kange), BA, MA, PhD (Dar)

Assistant Lecturers
*S. R. Mwalusamba, BA, MA (Dar)
*D. Edward, BA, MA (Dar)

Tutorial Assistants
S. Janja, BA (Dar)
*N. Sessaguli, BA (Dar)
T. Kisanga, BA (Dar)

Development Studies
Senior Lecturers
D. Manyerere, BA, MA, PhD (Dar)
C. J. Mpambije, B.A. (Ed.), M.A. (DS)PhD (Dar)
J. Poncian, B.A. (Ed.) (Dar), M.A. (Leeds), PhD (Newcastle)
C. Mulungu, BA, MA, PhD (Dar)

Lecturer
G. Ndimbo, BA (Dar), MA, PhD (Beijing)

Assistant Lecturer
*P. Togolai, BA, MA (UDOM)
*T.E. Mrutu, BA, MA (Dar)

FACULTY OF SCIENCE
Senior Lecturer and Dean
T. E. Kibona, BSc, MSc (Dar), PhD (Arusha)

Lecturer and Examinations Officer
G. Wingi, BEd (Dar), PGD (AIMS- South Africa, MSc (Lappeenranta), PhD (Stellenbosch)

Secretary
H. F. Samilan (Ms),Cert, Dip (Kilimanjaro)

Department of Biological Sciences
Senior Lecturer and Head
M. I. Olotu, BSc, MIEM (Dar), PhD (South Africa)

Senior Lecturers
M. I. Olotu, BSc, MIEM (Dar), PhD (NWU-South Africa)
W. B. Washa, Dip (Dar), BSc, MSc (OUT), PhD (Dar)
E. B. Ishengoma, BSc, MSc (Dar), PhD (Arusha)

Lecturers
V. E. Tairo, BSc, MSc (Morogoro), MSc (Addis Ababa), PhD (Nairobi)
A. I. Msonga, BSc, MSc (Dar), PhD (Leibniz)
A.N. Mwambala, BSc, MSc, PhD (Dar)
H. R. Mero, BSc, MSc (Morogoro), PhD (Dar)
O. D. Alila, BSc, MSc (Dar), PhD (Switzerland)
S. M. Mbepera, BSc, MSc (Dar), PhD (Morogoro)

Assistant Lecturers
*I. A. Mrema, BSc, MSc (Dar)
M.B. Shadrack, BEd, MSc (Dar)
V. T. Msoffe, BSc, MSc (Morogoro)
*R. I. Mrutu, BSc (Dar), MSc (Arusha)
*A.A. Mwendolwa, BEd (Dar), MSc (Indonesia)
J.C. Mwijarubi, BSc, MSc (Morogoro)
T. Mwanjala, BSc, MSc (Dar)
I. T Macha BSc, MSc (Dar)

Tutorial Assistant
*M. L. Madata, BSc (Dar)

Principal Laboratory Technologist
F. M. Tukay, FTC (Dar), BSc (Morogoro)

Senior Laboratory Technologists II
D. Y. Yahaya, FTC (Dar), BSc, MSc (Morogoro)
A. I. Halid, FTC (Dar)
S. M Ngowi, Dip (Arusha)
S. J. Mwahalende, Dip (Dar)
P.C Masanja, Dip (Arusha)
T.R Ihucha, Dip (Morogoro)
E.P Mkama, Dip (Morogoro)

Department of Chemistry
Senior Lecturer and Head
J. Emmanuel, BSc, MSc, PhD (Southampton)

Senior Lecturers
G. N. Shao, BSc (Dar), MSc (Kangwon), PhD (Hanyang)
L. A. Mtashobya, Dip, BEd, MSc (Dar), PhD (Southampton)
F. Kimbokota, BSc, MSc, PhD (Dar)
J. Emmanuel, BSc, MSc, PhD (Southampton)
J A. Mmongoyo, BSc, MSc (Dar), PhD (Michigan)
S. Hanolo, BSc, MSc (Dar) PhD (Arusha)
R. Christopher, BSc, MSc, PhD (Dar)
E. Elimbinzi, BSc, MSc, PhD (Dar)
C. Fabian, BSc, MSc (Dar) PhD (Botswana)

Lecturers
F. Ligate, BSc, MSc (Dar) PhD (KTH)

Assistant Lecturers
*R. P. Clement, BSc, MSc (Dar)
*F. C. Kindole, BSc, MSc (Dar)

F. Ngabala, BSc, MSc (Dar)
*P. J. Chengula, BSc (Dar), MSc (Arusha)

S.J. Juma BSc, MBA (Morogoro)

Tutorial Assistants
*H. M. Charles, BSc (Dar)
*S. L Kalinga, BSc (Dar)
*K. N. Kanizi, BSc (Dodoma)
A. A Peter BSc (Dar)

Principal Laboratory Technologist II
B. M. Chaffu, FTC, AdvDip (Dar)

Senior Laboratory Scientist I

M. Yohana, Dip, BSc (Dar)

Senior Laboratory Technologist II
J. Mkungu, BEd, MSc (Dar)

Laboratory Technologists II
F. D. Mbanila, Dip (Kleruu)
D. N. Loleye, Dip (Arusha)
J. A. Kimata, Dip (Dar)
T. N. Wampembe, Dip (Arusha)
J. M. Kaaya, Dip (Arusha)

Department of Mathematics, Physics and Informatics
Lecturer and Head
J. A. Mwasunda, BSc, MSc (Dar), PhD (Arusha)

Informatics
Assistant Lecturers
C. Magashi, BSc, (Dar) MSc (Metropolitan)
W. M. Wambura, BSc (Dar), MSc (Arusha)
*M. L. Vicent, BSc, (Dar), MSc (RISS)
J. K. Ndauka, BSc (Dar), MSc (TUTE)
*E. J. Kambo, BSc (SAUT-Mwanza), MSc (Dar)
A. P. Mdee, BSc (Dar) MSc (Kyungpook)
S. T. Joseph, BSc (Dar), MSc (Arusha)