



University of Dar es Salaam

POSTGRADUATE PROSPECTUS
2019 / 2020





UNIVERSITY OF DAR ES SALAAM

**POSTGRADUATE PROSPECTUS
2019/2020**

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WELCOMING NOTE FROM THE VICE CHANCELLOR

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 done at the University which will give you 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, and 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 recognize 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 the 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 all reasonable steps to make sure that the information in this Prospectus about course contents, structure, teaching facilities and staffing, are 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 Undergraduate 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.

Professor William A. L. Anangisye
VICE CHANCELLOR
July 2019

GENERAL INFORMATION

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 Dean of Students: residence, games and sport, worship, student counseling in 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 are available on application before the beginning of the academic year. Accommodation in the Halls is therefore not guaranteed for every student. Students are urged to find their own accommodation outside the Halls. Presently there are six Halls of Residence on the main campus. There also residential places for students at Ubungu and Mabibo 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 will be given to students with disabilities, foreign students, and female students from up country.

Student Activities

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

Games and Sports

The University main campus has some of the best sporting facilities in the country including an international size track field, a swimming pool, tennis courts, soccer pitches, netball and basketball courts, hockey and cricket fields. However, most of these facilities require intensive rehabilitation. A gymnasium where badminton, squash and weight lifting can be held is in place. Students can therefore participate in athletics, swimming, lawn tennis, table tennis, soccer (football), basketball, netball, hockey, badminton, cricket, handball and boxing.

University students, through their Student Sports Council, Tanzania University Sports Association (TUSA), can take part in sports and game competitions organized by various sports bodies, such as the East, Central and Southern Africa Universities Sports Association (ECSAUSA), the Federation of African University Sports (FASU), and the Federation of International University Sports (FISU).

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 Christian's worship services are conducted a Joint Christian Chapel. Both the 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.

B: MEDICAL SERVICES

The University of Dar es Salaam Health Centre (UHC) provides preventive, curative and restorative health services to University students, staff and general public. The Centre is located within the Mwl. J. K. Nyerere Mlimani Campus. The University also runs dispensaries located at Mabibo students' Hostels, IMS (Zanzibar), H.E. Dr. J.P.M hostel, dispensing room at School of Journalism and Mass Communication (Kijitonyama) and College of Information Communication and Technologies (Kijitonyama)

UHC is accredited to offer services to the NHIF beneficiaries. All students are required to join NHIF by filling in special forms after contributing some specified amount of money to the NHIF. Students who fulfil the above will be provided with NHIF membership cards which will be used to access treatment at the Centre and other accredited health facilities country wide.

Students who fall sick shortly before, or during examinations, are advised to immediately report to relevant authorities in their respective departments and then to the Health Centre for treatment and further directives. All requests to postpone examinations or studies on medical ground must be accompanied by an official medical report from the attending doctor.

HIV and AIDS remain one of the world's most significant public health challenges particularly in low and middle-income countries. The age group which is mostly affected is that of 15-49 years of age. Current data shows that more than 50% of HIV new infection occurred in youth aged 19-24 years of age. Abstaining from sex, being faithful, limiting number of sexual partner to one who is not infected, consistent and correct use of condom, avoiding abusing alcohol and drugs which may impair your judgment, avoiding sharing needles or syringes and being circumcised if you're a male are some of the measures to prevent HIV transmission.

C: UNIVERSITY OF DAR ES SALAAM LIBRARY

The University of Dar es Salaam Library is an academic unit which is fully involved in teaching, research, and consultancy. The primary role of the Library is to provide information services to support teaching, learning and research functions of the University. It has three departments namely: Reader Services, Technical Services and Research and Special Collection. Each department is headed by an academic member of staff who is answerable to the Director of the Library. Senior staffs of the Library are involved in teaching, research and provision of consultancy services. The University Library is a national depository, which collects materials published in Tanzania and are housed in the East Africana Section. These include books, journals, research reports, government and university publications. It also includes materials on the former East African Community, the Liberation movement and SADC publications.

The Library has seven major sections: Arts and Social Sciences, Law, Science and Engineering, Reference, East Africana and ICT. These collections consist of books, journals and other materials in their respective subject areas, both in print and electronic. They are self-sustaining service units which provide specialized services to users undertaking research and courses in various subject areas. In addition, the Library has Information Studies Programme, which is a training wing that conducts Bachelors, Masters and PhD programmes in Library and Information Studies.

The Library provides both print and electronic information services to its users. The services provided include: Lending Services, Document Delivery, E-mail and Internet, Selective Dissemination of Information (SDI), Current Awareness Services and photocopying services. Being a national depository library and the largest collection of research materials, its services are also extended to researchers and scholars both within and outside the country.

OPENING HOURS

Monday – Saturday	8.00 a.m. – 06.30 p.m.
	7.30 p.m. – 10.30 p.m.
Public Holidays	2.00 p.m. – 06.30 p.m.
Sundays	1.30 p.m. – 10.30 p.m.

D: INNOVATION, ENTREPRENEURSHIP AND OUTREACH

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

E: TRANSPORT SERVICES

Transport services for students residing off-campus are available at reasonable costs. The transport services are provided by three shuttle buses that were donated to the University by the CRDB Bank and privately owned mini-buses for students residing at Mabibo Hostel. The services run from 06.00 a.m. to around 10.00 p.m. during the semester and from 06.00 a.m. to 08.00 p.m. during the vacation.

F: WORSHIP AND SPIRITUAL COUNSELING SERVICES

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 Christian's worship services are conducted a Joint Christian Chapel. Both the facilities are situated near Hall No. 4 along Biafra and Kilimahewa Roads.

G: 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, you are advised to report immediately by using the following telephone numbers:

Office	Contact Telephone Numbers
UDSM Auxiliary Police Station	+255 652 097 852
UDSM Police Station	+255 22 2410279
Hall 1 - 5 and Extension block for International Students	+255 712 850 450
Hall 6 and 7 Postgraduate Hostel	+255 688 668 434
Library and Lecture Halls	+255 652 097 856

H: SHOPPING FACILITIES

The University has basic shopping facilities at the Mwalimu Julius Nyerere Mlimani Campus, Mabibo Hostel as well as DUCE Campus. There is a major Shopping Mall at Mlimani City, which is located within the Mwalimu Julius Nyerere Mlimani Campus along Sam Nujoma Road. Major Banks, a Bureau de Change, Travel Agent and mobile telephone service providers are located in the mall.

I: 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 in Mlimani City Shopping Mall.

J: STATIONARIES, PRINTING, AND PHOTOCOPYING

There are many University operating photocopying services situated in the University Library and the College of Engineering and Technology (CoET), which offer 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 are located on campus and in the neighbourhood.

K: 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 available on campus. More banks and financial services, including Bureau for Change are available at the Mlimani Shopping Mall, which is situated on Campus.

L: 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.

STRUCTURE AND DURATION OF POSTGRADUATE PROGRAMMES

1.0 General Information

1.1. Submission of Applications

The University of Dar es Salaam has launched 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:

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

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

1.2. Application Fees

- a) 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.
- b) 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, from the Director of Postgraduate Studies and from the University Prospectus.

1.3. Entry Qualifications

1.3.1. Postgraduate Diploma

At least a Bachelors Degree, Advanced Diploma or its equivalent from a recognized institution of higher learning. 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 qualification 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 recognized institution of higher learning. 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.
 - c) An Advanced Diploma from a recognized higher learning institution with a minimum of an upper second class **PLUS** Postgraduate Diploma and Secondary School Certificates.
- iii. A recognized 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. Minimum Entry Qualifications into a Doctor of Philosophy (PhD) programme requires an applicant to possess at least Lower Second Class degree from the University of Dar es Salaam or any other recognised university 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.
 - (a) Candidates selected for admission shall be required to register at the commencement of the first academic year of their studies.
 - (b) Registration shall take place in the first three 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:
 - (i) Evidence of payment of the University fees;
 - (ii) Copies and the originals of transcripts and certificates. [The originals will be returned to the candidate after physical verification];
 - (iii) Two stamp-size (or passport-size) color photographs; and
 - (iv) Copy of valid passport for foreign students.
 - (c) 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.
 - (d) Failure to renew registration shall lead to automatic discontinuation from studies.
 - (e) Registration of new and continuing students shall take place within three weeks from the first day of the commencement of the academic year. Students seeking registration during the fourth 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.
 - (f) Registrations for purposes of this Regulation shall be effected through form UDSM/PG.F1.
 - (g) 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 under 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 to the year of study where they left off.

- 1.4.5. Candidates who are desirous of changing subjects/courses/programme shall be allowed to do so after registration and within three weeks after commencement of the academic year. No candidate shall be allowed to change subjects/courses/programmes after the fourth 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 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 his/her 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 his/her 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:

- 1.4.10. 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
- 1.4.11. On Senate's approval of the results, the candidate proceeds to the dissertation phase of the programme. It is essential that he/she writes and tables 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:

- a) 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;
- b) Guidelines on writing the 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;
- c) 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;
- d) The School's/Institute's /College's Postgraduate Studies Committee will subsequently approve the proposals and report to the SPSC for noting;
- e) 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.
- f) The duration of the registration period for Masters by thesis candidates, including the 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
- g) 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

- (a) Candidates who, for valid reasons, fail to complete their theses/dissertations within the specified period may apply using UDSM/PG.F18 for an extension of the registration period;
- (b) The student shall pay a monthly extension fee as the Council may from time to time prescribe;
- (c) The extension period shall not exceed six months for full-time and twelve months for part-time candidates at a time; and
- (d) Under very special circumstances, the SPSC may consider a further extension of registration period for a maximum of six months provided that the period so allowed shall be within the maximum allowable period of registration.

1.6. Postponement of studies

- a) 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

- a) If, for any sound reason, a candidate fails to continue with his/her studies, he/she may apply to the SPSC for freezing of the registration through his/her Department and College/School/Institute.
- b) The maximum period for such freezing shall be two years.
- c) Freezing of registration is not allowed for students during the coursework phase.

1.8. Maximum period of registration

- a) The maximum period of registration for a Postgraduate Diploma shall be three years for full-time and four years for part-time students;
- b) The maximum period of registration for a Masters' degree shall be four years for full-time and five years for part-time students;
- c) The maximum period of registration for a PhD degree shall be six years for full-time and eight years for part-time students;
- d) A candidate who fails to complete the study programme within the maximum period of registration shall be discontinued from studies; and
- e) 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 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:

- a) A Postgraduate Diploma candidate with a coursework average of B+ or higher may, on the recommendation of the Department and the School, Institute or College Higher Degree

Committee, apply to Senate for permission to transfer registration to that of a Masters' degree. Senate will determine the contribution of the work done under Postgraduate Diploma candidacy towards the Masters' degree applied for. No candidate shall acquire both the Postgraduate Diploma and the Masters from the same programme;

- b) A student pursuing a Masters' degree by thesis may, on the recommendation of the Department and College/School/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 his or her studentship for Masters, as a contribution towards the fulfillment of the requirements for the degree of Doctor of Philosophy. No candidate shall acquire both the Masters and the Doctorate from the same programme;
- c) A student for a Masters or PhD degree may, on the recommendation of the Head and Principal/Dean/Director concerned, apply through SPSC to Senate at any time before submission of the thesis for permission to transfer registration to that of Postgraduate Diploma or Masters' Degree respectively, subject to the availability of the relevant programme; and
- d) A PhD or Masters candidate whose thesis examiners are either in disagreement or have recommended thesis revision and resubmission may, on his/her request and recommendation of the College/School/Institute Board, transfer registration to a Masters or to a relevant existing Postgraduate Diploma programme respectively.

2.0 COURSEWORK EVALUATION

- 2.1 Candidates registered for Postgraduate Diploma, Masters/PhD 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/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.

- 2.8 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.
- 2.9 Candidates who fail to attain a GPA of at least 3.0 after supplementary examinations shall be discontinued from studies.
- 2.10 Departments/Colleges/Schools will administer supplementary examinations within a period of three months of Senate approval of the results.
- 2.11 All courses shall be subjected to the external examination process.
- 2.12 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
 - (a) all the prescribed core courses
 - (b) the best performed elective courses.
- 2.13 Grades of all courses attempted by the candidate shall appear in the transcript.
- 2.14 The General University Undergraduate Examination Regulations shall govern the handling of examination irregularities except 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/Institutes where the dissertation constitutes a small proportion of the degree programme (i.e. less than 50% of the study units), the College/School/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

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 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, presentation

of one's own ideas, previously published or not, without disclosing or acknowledgement and shall 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 Masters candidates must present their dissertation/thesis to the departmental postgraduate studies committee for it to approve that the 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 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/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 his/her report on the thesis/dissertation by filling in Summary Form UDSM/PG.F9 with a definite recommendation for one of the following actions:
 - 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/Institute Postgraduate Studies Committee shall determine the candidate's dissertation/thesis final grade from recommendations of the department in form UDSM/PG.F10 as extracted from form UDSM/PG.F9.
- 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 / 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 Council and upon receiving detailed reports and summary reports of the thesis/dissertation under examination. The claims shall be made through filling in forms UDSM/PG.F15 (for Internal Examiner) and UDSM/PG.F16 (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 2018 UDSM Postgraduate regulations 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(d) 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 (PhD) DEGREE

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/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 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/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; and
- (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 recognized 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:
 - (a) The candidate shall submit at least 5 journal papers with introduction and conclusion chapters.
 - (b) Two of the journal papers must be published in an international journal recognized by UDSM.
 - (c) The candidate must be the principal author in all journal papers submitted for the award of a PhD degree.
- 5.2.4 Regardless of the form of submission, the thesis shall be an original contribution to the field of research by the student, regardless of the form of the thesis.
- 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.
 - (a) A significant proportion of the researched materials should be derived from original research undertaken after the date the student initially registered with this University.
 - (b) The papers shall be inserted and that the pagination sequence should flow throughout the thesis.
- 5.2.6 (a) No candidate may be permitted to submit a thesis/dissertation for the PhD degree in less than 24 months from the date of registration.
 - (b) A PhD candidate may, however, be allowed to submit his/her 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.
- 5.2.7 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. He/she should do this in writing to the Chairperson, SPSC using form UDSM PG.F5 submitting,

at the same time, the proposed title and an outline of the plan and general scope of the thesis/dissertation.

- 5.2.8 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, the procedures, research methods employed, the general results, new contributions made, and the major conclusions reached.
- 5.2.9 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 (a) For every PhD candidate approaching submission Senate shall appoint, on the recommendation of the relevant College/School/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.
- (b) 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/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:
 - 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/dissertation;
 - b. If the reports are not received within three months, new examiners shall be appointed; and
 - c. 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 shall be addressed to the DVC-Academic through the respective academic unit.
 - d. The PhD degree be awarded to the candidate unconditionally;
 - e. The degree be awarded subject to typographical corrections and/or minor revisions;
 - f. The degree be awarded subject to making substantial revisions and corrections as recommended;
 - g. 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;
 - h. 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; and
 - i. The thesis/dissertation be rejected outright.
- 5.3.4 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;
- 5.3.5 An Assessment by an additional independent examiner shall form basis of determining whether the candidate passes or fails the thesis/dissertation.
- 5.3.6 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.

- 5.3.7 The University shall pay honoraria to the External and Internal Examiners at rates prescribed by Council and upon receiving detailed reports and summary reports of the thesis under examination.
- 5.3.8 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.
- 5.3.9 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:

- (a) 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)
- (b) Doctor of Laws in the University of Dar es Salaam School of Law (UDSL); and
- (c) 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.

- a) Holders of a PhD of the University of Dar es Salaam, of at least five years standing; or
- b) Holders of a PhD degree of the former University of East Africa; or
- c) Holders of a PhD degree or equivalent of any other recognized 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/Institute in which the subject of his/her previous degree(s) was studied.
- 6.3.2. The intending candidate must supply to the relevant College/School/Institute, through his/her complete Curriculum Vitae and any other documents, sufficient evidence of his/her 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 his/her significant contribution(s) to knowledge in a chosen field.
- 6.3.4. Together with the unifying statement, the candidate must submit a compilation of his/her 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/Institute, and his/her candidature shall be approved through the relevant College/School/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 his/her 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 qualifications 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*, 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 2018 UDSM postgraduate regulation 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 Senate through 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; and
 - (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:
 - (vi) Ethical Clearance, if necessary, from their countries and from the relevant authority in Tanzania; and
 - (vii) 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

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Deputy Director - Innovation

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University of Dar es Salaam Library

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Vacant

Assistant Master Timetable Officer

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Vacant

Accountant, External Funds Administration Unit (EFAU)

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Vacant

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A. Mutanaga, ADA

Accounts Assistants

F. Kimaro, ATEC II

G. Moshi, Dip.Acc. (TAA)

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Accountant and Ag. Head of Section

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Accountant

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S. Mrikaria, BBA (RUCO)

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Accountant and Head of Section

Vacant

ReconciliationSection

Accountant and Head of Section

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Final Accounts Section

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K. Mfalila, Fom IV, FTC, DipMech (DIT)

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USAB Manager

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Manager of H.E. Dr. John Pombe Joseph Magufuli Hostels

J. Kilawe, MA Demography, B.A PSPA (Dar)

Manager of Mw. J. K. Nyerere Campus Hostels

A. H. Kambagha, MA Information Studies, BAEd (Dar), DipEd (Marangu)

Manager of Mabibo Hostels

A. Ingo, , MAEd,BED Psy (Dar)

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Block B

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R. Wenceslaus, DipEd (Butimba)

Block C

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Hall VI

T. M. Makelele, BAEd (UDSM),

Hall V

Vacant

Hall IV

Cecilia Izahaki, BAEd,MAASP (Dar)

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Hall III

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A. A. Minja, DipEd (Dakawa)

Hall I

F. A. Kamugisha, MA.IDS (Dar) BA Social Work (Social Work Inst)
G. Mbonika BASocial Work (OUT), DipEd (Kleruu).

Wardens of Mabibo Hostels

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Tertula, Kavishe B. A. Mgt of Social Devepment. (MNMA)

Block D

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Block F

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Health Administrator

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Matron

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M. S. Zacharia, MD (Dar), MMed (MUHAS)
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G. Masuma, MD (MUHAS), MMed (MUHAS)
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D. Kahangwa, MD (MUHAS)

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AMO Ophthalmology and Cataract Surgeon

T. Masochi, DipMed, ADCM (Mbeya) ADCM (Mbeya), AMO'O Cat. Surgeon (KCMC)

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S. Kaikai, DipMed (Mtwara), ADCM (Ifakara)
L. Kida, DipMed (Tanga), ADCM (Mbeya)

Pharmaceutical Technician

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Theatre Nurse

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Dar es Salaam University Press (DUP)

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Administrative Officer

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Research and Publication

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Lecturer/Librarian and Head

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ICT

Assistant Lecturer/Librarian and Head

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Acquisitions

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F. Josephat, BA, MAIS (Dar)

* On Study Leave

** On Sabbatical Leave

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INTRODUCTION TO THE UNIVERSITY OF DAR ES SALAAM

The University of Dar es Salaam (UDSM) was born out of a decision taken on 25th March, 1970 by the East African Authority, to split the then University of East Africa into three independent universities for Kenya, Uganda and Tanzania. For purposes of maintaining East African inter-university academic cooperation and communication, Inter-University Council for East Africa (IUCEA) was set up in 1970. The Council established an Inter-University Exchange programme, through which the University admits students from other East African countries mainly Kenya and Uganda. Recently, IUCEA has its membership to include other universities within East African Community (EAC).

The University of Dar es Salaam is situated on the west side of the City of Dar es Salaam, Tanzania. It occupies 1,625 acres on the Observation Hill, seven kilometres from the centre of the city of Dar es Salaam.

The University has seven campuses – UDSM Mwalimu J.K. Nyerere Main Campus, the Institute of Marine Sciences (IMS) located in Zanzibar; the School of Journalism and Mass Communication (SJMC) located in Mikocheni, Dar es Salaam; the College of Information and Communication Technology (CoICT) in Kijitonyama, Dar es Salaam opposite the Commission of Science and Technologies (COSTECH); the

Mbeya College of Health and Allied Science (MCHAS), located in Mbeya; the Dar es Salaam University College of Education (DUCE) located at Chang'ombe, Dar es Salaam; and the 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 said 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, university has a population of over 25,000 students pursuing undergraduate and postgraduate degrees and non-degree programmes.

With regard to academic programmes, the University offers various programmes leading to the award of certificates, diplomas, undergraduate degrees, postgraduate diplomas, masters and Ph.D degrees. A total of 4 certificate, 24 diploma, 87 first degree, 23 postgraduate diploma, 98 Master, 23 Ph.D, and 4 Taught Ph.D programmes as well as several Ph.D programmes by thesis are offered by the various academic units of the University of Dar es Salaam.

The University admits local students as well as foreign students from several countries worldwide through established links, exchange programmes or individual applications. Most of these 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.

DIRECTORATE OF POSTGRADUATE STUDIES (DPGS)

The Directorate of Post Graduate Studies (DPGS) formally replaced the School of Graduate Studies (SGS) in 2009. The former School was established in 2006, with the main function of administering and coordinating postgraduate studies at the University of the Dar es Salaam (UDSM). The postgraduate student population was around 100 in 1993/1994. By 2006/07 there were 449 postgraduate students registered to study various postgraduate programmes.

From the 2007/2008 to 2012/2013 academic year, the University of Dar es Salaam registered a total of 7,337 students pursuing postgraduate diplomas, as well as Masters and Doctor of Philosophy degrees. In the 2012/2013 academic year, the Directorate registered 1,535 first year students pursuing various postgraduate programmes. The graduation statistics from 2007/2008 to 2012/2013, show that a total of 4,636 postgraduate students graduated as holders of postgraduate diplomas, masters degrees and PhD in various academic programmes.

The University offers a wide range of postgraduate programmes at Postgraduate Diploma, Master and PhD levels. Currently, there are 18 postgraduate diploma, 76 Master and 17 PhD degree programmes. Four PhD programmes are offered by Coursework and Dissertation and the rest are offered by research and thesis. The postgraduate programmes range from basic and applied sciences, education, social sciences and humanities to professional degrees in engineering, medicine, law and business administration. In addition, three postdoctoral degrees, namely Doctor of Laws (LL.D), Doctor of Literature (D.Lit) and Doctor of Science (D.Sc) are offered by the University. 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 that supervisors and 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 available on the university website: www.udsm.ac.tz.

STRUCTURE AND DURATION OF POSTGRADUATE PROGRAMMES

1.0 GENERAL INFORMATION

1.1. Submission of Applications

The University of Dar es Salaam has launched a Postgraduate Online Application portal which allows applicants to apply for admission through the following link: <https://aris2.udsm.ac.tz/pgoa>. The invitations for admission are usually opened from mid January to the end of May each year. There is also a room for late admissions depending on the availability of unfilled admission vacancies which are normally advertised in June to July each year.

1.2. Application Fees

- (i) All applicants are required to pay a non-refundable application fee. The fee should be paid and receipt evidence uploaded during online application.
- (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, from the Director of Postgraduate Studies and from the University Prospectus.

1.3. Entry Qualifications

1.3.1. Postgraduate Diploma

At least a Bachelors Degree, Advanced Diploma or its equivalent from a recognized institution of higher learning. 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 qualification 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 recognized institution of higher learning. 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.
 - 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 recognized higher learning institution with a minimum of an upper second class **PLUS** Postgraduate Diploma and Secondary School Certificates.
- (iv) A recognized 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. Minimum Entry Qualifications into a Doctor of Philosophy (PhD) programme requires an applicant to possess at least Lower Second Class undergraduate degree of the University of Dar es Salaam or from any other recognised University 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.
- 1.4.3 Candidates selected for admission shall be required to register at the commencement of the first academic year of their studies.
- 1.4.4 Registration shall take place in the first three 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:
- 1.4.5 Evidence of payment of the University fees;
 - a) Copies and the originals of transcripts and certificates. [The originals will be returned to the candidate after physical verification];
 - b) Two stamp-size (or passport-size) color photographs; and

- c) 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.
- 1.4.6 Failure to renew registration shall lead to automatic discontinuation from studies.
- 1.4.7 Registration of new and continuing students shall take place within three weeks from the first day of the commencement of the academic year. Students seeking registration during the fourth 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.
- 1.4.8 Registrations for purposes of this Regulation shall be effected through form UDSM/PG.F1.
- 1.4.9 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.
- 1.4.10 No student shall be allowed to postpone studies after effective commencement of an academic year except under special circumstances and upon producing satisfactory evidence of the reason for postponement. For 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.
- 1.4.11 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 to the year of study where they left off.
- 1.4.12 Candidate's desirous of changing subjects/courses/programme shall be allowed to do so after registration and within three weeks after commencement of the academic year. No candidate shall be allowed to change subjects/courses/programmes after the fourth week of commencement of the semester.
- 1.4.13 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 DVC academic using UDSM/PG.F4.
- 1.4.14 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.
- 1.4.15 Every registered candidate is required to submit a progress report (through the ARIS online system) to his/her supervisor who shall forward to the College/School/Institute through the Head of Department.
- 1.4.16 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 his/her failure to show progress in studies.

1.5. Masters by coursework and dissertation

Students who intend to do their Masters degree by coursework will have to observe the following procedures:

- (a) To complete the coursework component of the programme a student must pass a minimum number of units, including all the prescribed core courses in the programme.
- (b) On Senate's approval of the results, the candidate proceeds to the dissertation phase of the programme. It is essential that he/she writes and tables a comprehensive proposal in a departmental seminar for the departmental postgraduate studies committee to review and approve.

1.6. Masters by Thesis

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

- (a) 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.
- (b) Guidelines on writing the 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.
- (c) If satisfied with the proposal's quality, the department submits the proposal to the School/Institute/College Postgraduate Studies Committee. Students shall present the proposals themselves to the School/Institute/College Postgraduate Studies Committee.
- (d) The School's/Institute's /College's Postgraduate Studies, Research and Publications Committee will subsequently approve the proposals and report to the SPSC for noting.
- (e) Research proposals for Masters-by-thesis candidates must be submitted to the School's/Institute's/College's Postgraduate Studies, Research and Publications Committee and approved within six months from the date of formal registration.
- (f) The duration of the registration period for Masters by thesis candidates, including the six months of developing and submitting a research proposal, shall be two years for full-time candidates and three years for part-time candidates.
- (g) 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.

1.7. Extension of Registration Period

- a) Candidates who, for valid reasons, fail to complete their theses/dissertations within the specified period may apply using UDSM/PG.F18 for an extension of the registration period.
- b) The student shall pay a monthly extension fee as the Council may from time to time prescribe.
- c) The extension period shall not exceed six months for full-time and twelve months for part-time candidates.
- d) Under very special circumstances, the SPSC may consider a further extension of registration period for a maximum of six months provided that the period so allowed shall be within the maximum allowable period of registration.

1.8. 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.

1.9. Freezing Registration

- (a) If, for any sound reason, a candidate fails to continue with his/her studies, he/she may apply to the SPSC for the freezing of the registration through his/her Department and College/School/Institute.
- (b) The maximum period for such freezing shall be two years.
- (c) Freezing of registration is not allowed for students during the coursework phase.

1.10. Maximum Period of Registration

- (a) The maximum period of registration for a Postgraduate Diploma shall be three years for full-time and four years for part-time students.
- (b) The maximum period of registration for a Masters' degree shall be four years for full-time and five years for part-time students.
- (c) The maximum period of registration for a PhD degree shall be six years for full-time and eight years for part-time students.
- (d) A candidate who fails to complete the study programme within the maximum period of registration shall be discontinued from studies.
- (e) 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 letter of Discontinuation shall not be accepted as a ground for appeal against the Discontinuation decision.

1.11. Transfer of Registration

Where it has been specified in a degree programme:

- (a) A Postgraduate Diploma candidate with a coursework average of B+ or higher may, on the recommendation of the Department and the School, Institute or College Higher Degree Committee, apply to Senate for permission to transfer registration to that of a Masters' degree. Senate will determine the contribution of the work done under Postgraduate Diploma candidacy towards the Masters' degree applied for. No candidate shall acquire both the Postgraduate Diploma and the Masters from the same programme.
- (b) A student pursuing a Masters' degree by thesis may, on the recommendation of the Department and College/School/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 his or her studentship for Masters, as a contribution towards the fulfillment of the requirements for the degree of Doctor of Philosophy. No candidate shall acquire both the Masters and the Doctorate from the same programme.
- (c) A student for a Masters or PhD degree may, on the recommendation of the Head and Principal/Dean/Director concerned, apply through SPSC to Senate at any time before submission of the thesis for permission to transfer registration to that of Postgraduate Diploma or Masters' Degree respectively, subject to the availability of the relevant programme.
- (d) A PhD or Masters candidate, whose thesis examiners are either in disagreement or have recommended thesis revision and resubmission may, on his/her request and recommendation of the College/School/Institute Board, transfer registration to a Masters or to a relevant existing Postgraduate Diploma programme respectively.

2.0 COURSEWORK EVALUATION

- 2.1 Candidates registered for Postgraduate Diploma, Masters/PhD 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/Institutes, the relationship between letter grades, award, numerical score and grade points shall be as follows:

Letter Grade	Award	Numerical Score (%)	Grade Point
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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.
- 2.8 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.
- 2.9 Candidates who fail to attain a GPA of at least 3.0 after supplementary examinations shall be discontinued from studies.
- 2.10 Departments/Colleges/Schools will administer supplementary examinations within a period of three months of Senate approval of the results.
- 2.11 All courses shall be subjected to the external examination process.
- 2.12 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
 - (a) all the prescribed core courses
 - (b) the best performed elective courses.
- 2.13 Grades of all courses attempted by the candidate shall appear in the transcript.
- 2.14 The General University Undergraduate Examination Regulations shall govern the handling of examination irregularities except 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/Institutes where the dissertation constitutes a small proportion of the degree programme (i.e. less than 50% of the study units), the College/School/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

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 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 work (published or not), ideas or creation from any source as if they were one’s own, presentation of one’s own ideas, previously published or not, without disclosing or acknowledgement and shall 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 Masters candidates must present their dissertation/thesis to the departmental postgraduate studies committee for it to approve that the 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 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/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 his/her report on the thesis/dissertation by filling in Summary Form UDSM/PG.F9 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;
 - (e) The degree not be awarded, but may be resubmitted for a lower award;

- (f) The thesis/dissertation be rejected outright.
- 4.1.8 The College/School/Institute Postgraduate Studies Committee shall determine the candidate's dissertation/thesis final grade from recommendations of the department in form UDSM/PG.F10 as extracted from form UDSM/PG.F9.
- 4.1.9 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 / Institute Postgraduate Studies Committee shall examine the case and recommend one of the following actions:
 - (a) The recommendation of the External Examiner be adopted;
 - (b) An additional independent examiner (without knowledge of the previous examiners' assessments) be appointed;
- 4.1.10 The University shall pay honoraria to the External and Internal Examiners at the rate prescribed by Council and upon receiving detailed reports and summary reports of the thesis/dissertation under examination. The claims shall be made through filling in forms UDSM/PG.F15 (for Internal Examiner) and UDSM/PG.F16 (for External Examiner).
- 4.1.11 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.
- 4.1.12 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.
- 4.1.13 Only candidates whose theses have been passed in accordance with 2018 UDSM Postgraduate regulations 4.1.7(a) through (c) shall be allowed to sit for viva voce examination.
- 4.1.14 A thesis/dissertation not accepted in accordance with regulation 4.1.7(d) above must be re-submitted for examination within nine months from the date of the Senate's approval of examination results.
- 4.1.15 A candidate whose thesis/dissertation is rejected in accordance with regulation 4.1.7(f) shall be discontinued from studies.
- 4.1.16 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.
- 4.1.17 Where the examiners are not in agreement in their overall recommendation after resubmission, regulation 4.1.9 shall apply.
- 4.1.18 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 (PhD) DEGREE

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/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 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/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.
 - 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 recognized 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:

- a) The candidate shall submit at least 5 journal papers with introduction and conclusion chapters.
- b) Two of the journal papers must be published in an international journal recognized by UDSM.
- c) The candidate must be the principal author in all journal papers submitted for the award of a PhD degree.

5.2.4. Regardless of the form of submission, the thesis shall be an original contribution to the

field of research by the student, regardless of the form of the thesis.

- 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.
- (a) A significant proportion of the researched materials should be derived from original research undertaken after the date the student initially registered with this University.
 - (b) The papers shall be inserted and that the pagination sequence should flow throughout the thesis.
- 5.2.6. (a) No candidate may be permitted to submit a thesis/dissertation for the PhD degree in less than 24 months from the date of registration.
- (b) A PhD candidate may, however, be allowed to submit his/her 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.
- 5.2.7. 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. He/she should do this in writing to the Chairperson, SPSC using form UDSM PG.F5 submitting, at the same time, the proposed title and an outline of the plan and general scope of the thesis/dissertation.
- 5.2.8. 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, the procedures, research methods employed, the general results, new contributions made, and the major conclusions reached.
- 5.2.9. 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.(a) For every PhD candidate approaching submission Senate shall appoint, on the recommendation of the relevant College/School/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.
- (b) 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/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.
- (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/dissertation.
 - (b) If the reports are not received within three months, new examiners shall be appointed.
 - (c) 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 shall be addressed to the DVC-Academic through the respective academic unit.
- 5.3.3. The PhD thesis/dissertation should show evidence that the candidate has made an original and significant contribution to knowledge, and each examiner shall submit a summary of the report on the thesis/dissertation using form UDSM/PG.F6 with a definite recommendation for one of the following actions:-
- (a) The PhD degree be awarded to the candidate unconditionally;

- (b) The degree be awarded subject to typographical corrections and/or minor revisions;
 - (c) The degree be awarded subject to making substantial revisions and corrections as recommended;
 - (d) 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;
 - (e) 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;
 - (f) The thesis/dissertation be rejected outright.
- 5.3.4. Where the examiners are not in agreement in their overall recommendation, SPSC shall consider the case and recommend one of the following actions:
- (a) The recommendation of the External Examiner be taken;
 - (b) An additional independent examiner be appointed;
- 5.3.5. An Assessment by an additional independent examiner shall form basis of determining whether the candidate passes or fails the thesis/dissertation.
- 5.3.6. 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.
- 5.3.7. The University shall pay honoraria to the External and Internal Examiners at rates prescribed by Council and upon receiving detailed reports and summary reports of the thesis under examination.
- 5.3.8. 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.
- 5.3.9. 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:
- (a) 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)
 - (b) Doctor of Laws in the University of Dar es Salaam School of Law (UDSL); and
 - (c) 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.

- (a) Holders of a PhD of the University of Dar es Salaam, of at least five years standing; or
- (b) Holders of a PhD degree of the former University of East Africa; or
- (c) Holders of a PhD degree or equivalent of 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/Institute in which the subject of his/her previous degree(s) was studied.
- 6.3.2 The intending candidate must supply to the relevant College/School/Institute, through his/her complete Curriculum Vitae and any other documents, sufficient evidence of his/her 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 his/her significant contribution(s) to knowledge in a chosen field.
- 6.3.4 Together with the unifying statement, the candidate must submit a compilation of his/her 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/Institute, and his/her candidature shall be approved through the relevant College/School/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 his/her 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 qualifications 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*, 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 enrol 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 2018 UDSM postgraduate regulation 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 Senate through 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; and
- (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.

10.0 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@admin.udsm.ac.tz

Tel. General: +255-22-2410500-9, Ext: 2010

Tel. Direct: +255-22-2410069

Fax: +255-22-2410078

UNIVERSITY OF DAR ES SALAAM FEE STRUCTURE

1.1 Direct University Costs

Cost Item	Tanzanian Students Amount in 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			Non Tanzanian Students		
	PGD (TZS)	Masters (TZS)	PhD (TZS)	PGD (US \$)	Masters (TZS)	PhD (TZS)
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 (In Tshs)		Non - Tanzanian Students (In US \$)	
	Masters	Ph.D.	Masters	Ph.D.
CoET, CoNAS & 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, UDDBS, MUCE & DUCE, MCHAS	4,000,000	12,000,000	2,525	7,570

1.4 Clarification on Research Funds:

- (i) For Master Programmes, the amount shown is paid once.
- (ii) For Ph.D. by Coursework and Dissertation, the amount shown is paid in the third or fourth year of study during the research phase.
- (iii) For Ph.D. 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 *pro rata*, in accordance with what is prescribed for regular postgraduate students.

CAMPUS COLLEGES
COLLEGE OF AGRICULTURAL SCIENCES AND FISHERIES TECHNOLOGY
(CoAF)

The College of Agricultural Sciences and Fisheries Technology (CoAF) is the latest college established as part of the University of Dar es Salaam (UDSM). The University Council approved its establishment at its 228th Special Meeting held in March 2015.

CoAF's core mandate is to advance the economic, social and technological development of Tanzania and beyond through excellent teaching, research and knowledge exchange using talented and motivated staff and students with a principal focus on Agricultural Sciences and Fisheries Technologies.

The College is interdisciplinary, offering diverse of programmes in agricultural sciences, natural resource economics and business, fisheries sciences, technology, and engineering. Training puts emphasis in the areas pertaining to post-harvest technologies, processing, value addition, biotechnology, nanotechnology and innovations in agro-and aqua-technologies.

Specifically, training will equip the graduates in the following fields: Irrigation engineering, agricultural mechanization, 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, quality seed and feed technologies, agricultural bioengineering, fisheries technologies, aqua-farming and beekeeping sciences and technologies.

When fully fledged, the College envisages to have seven departments. Currently, CoAF comprises of five teaching departments, namely:

1. Department of Aquatic Sciences and Fisheries Technology
2. Department of Crop Science and Beekeeping Technology
3. Department of Agricultural Economics and Business
4. Department of Agricultural Engineering
5. Department of Food Science and Technology

The postgraduate programmes offered by the College are under the following categories:

- Master of Science by coursework and dissertation
- Master of Science by thesis
- Doctor of Philosophy by coursework and dissertation
- Doctor of Philosophy by thesis

Currently, CoAF offers the following postgraduate programmes:

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs.)	Non-Tanzanian (USD\$)
Master of Science in Fisheries and Aquaculture	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040
Master of Science in Aquatic Sciences	Thesis	Fulltime	24 months	6,375,000	8,040
Master of Science in Food Science and Technology	Thesis	Fulltime	24 months	6,375,000	8,040
Master of Science in Beekeeping Science and Technology	Thesis	Fulltime	24 months	6,375,000	8,040
Master of Science in Agricultural Economics and Business	Thesis	Fulltime	24 months	6,375,000	8,040
Master of Science in Agricultural Engineering	Thesis	Fulltime	24 months	6,375,000	8,040
Doctor of Philosophy (PhD) in Aquatic Sciences	Coursework and Dissertation	Fulltime	48 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Aquatic Sciences	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Food Science and Technology	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Beekeeping Science and Technology	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Agricultural Economics and Business	Thesis	Fulltime	36 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Agricultural Engineering	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year

MASTER OF SCIENCE IN FISHERIES AND AQUACULTURE

Programme Description and Structure

The master programme shall consist of course work (Part I) and dissertation (Part II), normally 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 year (two semesters) will be spent on course work, with final examinations at the end of each semester, while the second year shall be devoted to dissertation work. 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 dissertation work.

The minimum number of credits for graduation will be 180, of these, 120 will be for coursework and 60 for dissertation. Of the coursework credits, each student shall take 96 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 course work and the dissertation to qualify for the degree award.

Entry qualifications

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 a first degree (BSc. in Fisheries, Aquaculture, Zoology, Marine Biology, and Aquatic Environmental Sciences,) from a recognized institution. Admission may also be based on equivalent qualifications.

Assessment and examination

The UDSM general examination regulations apply.

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	Aquafarm Planning and Management	12
AF 607	Fish Health Protection	8
AF 608	Broodstock Management and Hatchery Production	12
AF 609	Post Harvest Technology in Fisheries	12
AF 699	Dissertation	60
Total number of Core Credits		156

Optional 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	Biostatistics	12
BT 603	Seaweed Culture and Processing	12
SC 601	Advanced Research Methods	12
Total number of Optional Courses Credits		88

Semester mapping for the Master of Science in Fisheries and Aquaculture

Year	Semester	Course title	Credits	Total
1	I	Core courses		48
		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	48
		Optional courses (minimum 12 credits)		
		AF 612: Systematic Ichthyology	8	
		AF 613: Ecology and Behaviour of Fishes	8	
		AF 614: Recreational and Ornamental Fisheries	8	
		BL 607: Biostatistics	12	
		BT 603: Seaweed Culture and Processing	12	
		Core courses		
AF 605: Fish Nutrition and Feed Technology	12			

Year	Semester	Course title	Credits	Total
	II	AF 606: Aquafarm Planning and Management	12	48
		AF 608: Broodstock Management and Hatchery Production	12	
		AF 609: Post Harvest Technology in Fisheries	12	
		Optional courses (minimum 12 credits)		
		AF 610: Fish Physiology and Endocrinology	8	
		AF 607: Fish Health Protection	8	
		AF 611: Environmental Impact of Aquaculture and Capture Fisheries	12	
		AF 615: Aquatic Resources and Biodiversity Management	8	
		SC 601: Advanced Research Methods	12	
2		AF 699: Dissertation	60	48

DOCTOR OF PHILOSOPHY IN AQUATIC SCIENCES (BY COURSEWORK AND DISSERTATION)

Programme description and structure

The duration of the programme is four or six years for full- and part-time students, respectively. The candidate will be required to complete a minimum of 180 credits from taught courses offered during the first year of study. The remaining years are devoted for conducting research leading to a dissertation worth 360 credits. Candidates will be required to take core courses in their areas of specialization (stream). Recommended elective courses are listed under every area of specialization. However, candidates may wish to take any other 700 or 600 series course offered at the University of Dar es Salaam, which is relevant to their respective areas of specialization and/or research.

The delivery of the courses will be student centred; based on attending lectures, reading relevant text books and papers, seminar presentations, laboratory practical classes and field excursions. Candidates will be assessed through oral and/or written exams, field and practical reports, and/or seminar presentations as deemed necessary. In order to complete the PhD programme, the candidate will be required to pass all courses making at least 180 credits and successfully defend a dissertation.

Entry qualifications

The programme targets candidates with master's degree in biological science subjects. Entry qualifications will follow University of Dar es Salaam criteria as stipulated under section 1.4.3 of the General Regulations and Guidelines for Postgraduate Programmes.

Programme Contents

Fisheries Stream

Core courses

Total 144

<i>credits</i>		
AQ 701	Philosophical Issues and Ethics in Scientific Research	24 credits
AQ 702	Aquatic Systems, Climate Variability and Change	24 credits
AQ 711	Tropical Fish Population Dynamics	24 credits
AQ 712	Ecology of Fishes	24 credits
AQ 713	Biology of Finfish and Shellfish	24 credits
AQ 714	Fisheries Policy, Laws, Planning and Management	24 credits

Optional courses

AQ 715	Management and Conservation of Aquatic Resources	24 credits
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AQ 716	Fish Health and Pathology	24 credits
AQ 717	Management of Small Impoundments	24 credits
AQ 718	Modern techniques in Ichthyo-taxonomy	24 credits
AQ 719	Advanced Fisheries Economics	24 credits
AQ 720	Social and Environmental Impacts of Fisheries and Aquaculture	24 credits
AQ 725	Fisheries and Aquaculture Extension	24 credits
AQ 736	Ocean Colour Remote Sensing	24 credits

Aquaculture Stream

Optional courses

AQ 713	Biology of Finfish and Shellfish	24 credits
AQ 718	Modern techniques in Ichthyo-taxonomy	24 credits
AQ 724	Construction of Aquaculture Facilities	24 credits
AQ 725	Fisheries and Aquaculture Extension	24 credits
AQ 726	Aqua-Products Marketing and Trade	24 credits
AQ 735	Molecular Techniques and Bioinformatics	24 credits

Biological Oceanography Stream

Core courses		
Total 144		
credits		
AQ 701	Philosophical Issues and Ethics in Scientific Research	24 credits
AQ 702	Aquatic Systems, Climate Variability and Change	24 credits
AQ 731	Marine Microbial Interactions	24 credits
AQ 732	Marine Photosynthesis and Primary Production	24 credits
AQ 733	Secondary Production in the Pelagic Realm	24 credits
AQ 734	Benthic Ecology and Production	24 credits

Optional Courses

AQ 712	Ecology of Fishes	24 credits
AQ 715	Management and Conservation of Aquatic Resources	24 credits
AQ 735	Molecular Techniques and Bioinformatics	24 credits
AQ 736	Ocean Colour Remote Sensing	24 credits
AQ 737	Ecological Modeling	24 credits
AQ 738	Ocean Biogeochemistry	24 credits

Limnology Stream

Core courses Total 144

Credits

AQ 701	Philosophical Issues and Ethics in Scientific Research	24 credits
AQ 702	Aquatic Systems, Climate Variability and Change	24 credits
AQ 741	Dynamics of Fresh Water Systems	24 credits
AQ 742	Eco-hydrology	24 credits
AQ 743	Advanced Watershed Management	24 credits
AQ 744	Applied Limnology	24 credits

Optional courses

AQ 717	Management of Small Impoundments	24 credits
AQ 732	Marine Photosynthesis and Primary Production	24 credits
AQ 733	Secondary Production in the Pelagic Realm	24 credits
AQ 736	Ocean Colour Remote Sensing	24 credits
AQ 737	Ecological Modeling	24 credits
AQ 745	Tropical Wetlands Ecosystems and Management	24 credits
AQ 746	Freshwater Policies and Management	24 credits

Dissertation

AQ 799	Dissertation	360 credits
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Semester Mapping of the Courses

Fisheries Stream

<i>Proposed Course Mapping</i>			
	Code	Title	Credits
Core Courses	AQ 701	Philosophical Issues and Ethics in Scientific Research	24
1st Semester	AQ 711	Tropical Fish Population Dynamics	24
	AQ 713	Biology of Finfish and Shellfish	24
	AQ 715	Management and Conservation of Aquatic Resources	24
	Total		96
	Core Courses	AQ 702	Aquatic Systems, Climate Variability and Change
2nd Semester	AQ 712	Ecology of Fishes	24
	AQ 714	Fisheries Policy, Laws, Planning and Management	24
	Total		72
Optional Courses	AQ 715	Management and Conservation of Aquatic Resources	24
1st SEM	AQ 717	Management of Small Impoundments	24
	AQ 719	Advanced Fisheries Economics	24
	AQ 736	Ocean Colour Remote Sensing	24
	Total		96
Optional Courses	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		96

Aquaculture Stream

<i>Proposed Course Mapping</i>			
	Code	Title	Credits
Core Courses	AQ 701	Philosophical Issues and Ethics in Scientific Research	24
1st Semester	AQ 721	Advanced Aquaculture Systems	24
	AQ 722	Aquatic Animal Nutrition	24
	AQ 723	Aquaculture Economics	24
	Total		96
Core Courses	AQ 702	Aquatic Systems, Climate Variability and Change	24
2nd Semester	AQ 716	Fish Health and Pathology	24
	Total		48

Proposed Course Mapping			
Optional Courses	AQ 713	Biology of Finfish and Shellfish	24
	AQ 735	Molecular Techniques and Bioinformatics	24
1st SEM	Total		48
Optional Courses	AQ 724	Construction of Aquaculture Facilities	24
	AQ 725	Fisheries and Aquaculture Extension	24
2nd SEM	AQ 726	Aqua-products Marketing and Trade	24
	AQ 718	Modern Techniques in Ichthyo-taxonomy	24
	Total		96

Biological Oceanography Stream

Proposed Course Mapping			
	Code	Title	Credits
Core Courses	AQ 701	Philosophical Issues and Ethics in Scientific Research	24
	AQ 731	Marine Microbial Interactions	24
1st Semester	AQ 732	Marine Photosynthesis and Primary Production	24
	Total		72
Core Courses	AQ 702	Aquatic Systems, Climate Variability and Change	24
	AQ 733	Secondary Production in the Pelagic Realm	24
2nd Semester	AQ 734	Benthic Ecology and Production	24
	Total		72
Optional Courses	AQ 715	Management and Conservation of Aquatic Resources	24
	AQ 735	Molecular Techniques and Bioinformatics	24
1st SEM	AQ 736	Ocean Colour Remote Sensing	24
	Total		72
Optional Courses	AQ 712	Ecology of Fishes	24
	AQ 737	Ecological Modeling	24
2nd SEM	AQ 738	Ocean Biogeochemistry	24
	Total		72

Limnology Stream

Proposed Course Mapping			
	Code	Title	Credits
Core Courses	AQ 701	Philosophical Issues and Ethics in Scientific Research	24
	AQ 741	Dynamics of Freshwater Systems	24
1st Semester	AQ 743	Advanced Watershed Management	24
	Total		72
Core Courses	AQ 702	Aquatic Systems, Climate Variability and Change	24
	AQ 742	Eco-hydrology	24
2nd Semester	AQ 744	Applied Limnology	24
	Total		72
Optional Courses	AQ 717	Management of Small Impoundments	24
	AQ 733	Secondary Production in the Pelagic Realm	24
1st SEM	AQ 736	Ocean Colour Remote Sensing	24
	AQ 746	Freshwater Policies and Management	24
Total		96	
Optional Courses	AQ 732	Marine Photosynthesis and Primary Production	24
	AQ 737	Ecological Modeling	24
2nd SEM	AQ 745	Tropical Wetlands Ecosystems and Management	24
	Total		72

POSTGRADUATE PROGRAMMES BY THESIS

- i. Master of Science in Aquatic Sciences
- ii. Master of Science in Food Science and Technology
- iii. Doctor of Philosophy in Aquatic Sciences
- iv. Doctor of Philosophy in Food Science and Technology
- v. Doctor of Philosophy in Agricultural Economics and Business
- vi. Doctor of Philosophy in Agricultural Engineering
- vii. Master of Science in Beekeeping Science and Technology
- viii. Doctor of Philosophy in Beekeeping Science and Technology

CoAF STAFF LIST

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Ordinary Seaman II

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*A. J. Mahinda, BSc (SUA), MSc (Nairobi)

J. Mohamed, BSc, MSc (SUA)

Tutorial Assistants

P. G. Limu, BScEng (Dar)

* On Study Leave

***On Leave of Absence/Secondment

COLLEGE OF ENGINEERING AND TECHNOLOGY (CoET)

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 specialization 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 Ph.D. degree is offered by thesis. CoET offers the following postgraduate programmes:

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non Tanzanian (US\$)
Postgraduate Diploma in Civil Engineering (PGD Eng) with specialization in: <ul style="list-style-type: none"> ▪ Water Resources Engineering; ▪ Structural Engineering; ▪ Transportation Engineering 	Coursework and Report	Evening	12 months	3,050,000	4,020
Postgraduate Diploma in Mechanical Engineering with specialization in: <ul style="list-style-type: none"> ▪ Energy Engineering ▪ Production Engineering 	Coursework and Report	Evening	12 months	3,050,000	4,020
Postgraduate Diploma in Chemical and Process Engineering	Coursework and Report	Evening	12 months	3,050,000	4,020
Postgraduate Diploma in Environmental Engineering	Coursework and Report	Evening	12 months	3,050,000	4,020
Postgraduate Diploma in Electrical Power Engineering	Coursework and Report	Evening	12 months	3,050,000	4,020
Postgraduate Diploma in Engineering Management, (PGD-EM)	Coursework and Report	Online/Distance	12 months	3,050,000	4,020
Postgraduate Diploma in Engineering Management (PGD-EM)	Coursework and Report	Evening	12 months	3,050,000	4,020
Master of Science in Water Resources Engineering, MSc (WRE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Highway Engineering, MSc (HE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Structural Engineering, (MSc STE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Construction Management, (MSc CM)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non Tanzanian (US\$)
Master of Integrated Water Resources Management, (MIWRM)	Coursework and Dissertation	Fulltime	18 months (Starts in March, 2017)	4,781,500	6,030
Master of Integrated Sanitation Management, (MISM)	Coursework and Dissertation	Fulltime	18 months Starts in March, 2017)	4,781,500	6,030
Master of Science in Production Engineering, (MSc PE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Energy Engineering, (MSc EN)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Renewable Energy, (MSc RE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Engineering Management, (MEM) with specialization in <ul style="list-style-type: none"> ▪ Information Communication Technology Management (ICTM) ▪ Project Management (PM) 	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Engineering Management, (MEM) with specialization in <ul style="list-style-type: none"> ▪ Project Management and ICTM for evening programme ▪ Project Management for Online programme 	Coursework and Dissertation	Evening	24 months	6,375,000	6,030
Master of Science in Power Electronics and Electrical Drives, MSc (PE & ED)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Power Systems and High Voltages, MSc (PS & HV)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Oil and Gas Engineering (MSc. OGE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Doctor of Philosophy (PhD) in Chemical Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Electrical Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Mechanical Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non Tanzanian (US\$)
Doctor of Philosophy (PhD) in Energy Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Renewable Energy	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Engineering Materials	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Engineering Management	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Civil Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Structural Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Transportation Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Geotechnical Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Construction Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Water Resources Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Integrated Sanitation Management	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Master of Science in Chemical Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Electrical Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Production Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Renewable Energy	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Energy Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in in Civil Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Structural Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Construction Management	Thesis	Full Time	24 months	6,375,000	8,040

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non Tanzanian (US\$)
Master of Science in Water Resources Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Transportation Engineering	Thesis	Full Time	25 months	6,375,000	8,040
Master of Integrated Water Resources Management	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Integrated Sanitation Management	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Integrated Environmental Management (MSc. IEM) Offered jointly with the College of Natural and Applied Sciences (CoNAS)	Coursework and Dissertation	Fulltime	18 Months	4,781,500	6,030

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 degree by Research and Thesis in all the major fields of specialization.

1.0 Entry Requirements

- 1.1 The minimum qualification for admission to the programme is an Upper Second class Bachelor of Science degree in respective Engineering field from the University of Dar es Salaam or another recognized institution.

2.0 Programme Structure

- 2.1 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).
- 2.2 Registration for the programme shall be at any time during the Academic Year. The registration shall be renewed annually.
- 2.3 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.
- 2.4 Within four months of the assignment of supervisor, the candidate shall present a comprehensive substantive proposal in a Departmental seminar (Department's Postgraduate Studies Committee Members should attend)
- 2.5 The proposal shall not exceed 20 pages in length, typed in at least 12 point font and double spaced line.
- 2.6 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.
- 2.7 If satisfied with the quality of the proposal, the department shall submit the proposal for evaluation at the College PSC Committee, where it will be presented by the student.
- 2.8 Once it finds the proposal satisfactory, the College PSRP will approve it and notify the Senate Postgraduate Studies Committee (PSC)
- 2.9 Maximum period for the registration process is six months. Candidates will pay TShs 50,000 for each month extension beyond the six months.
- 2.10 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 and Computing.
- 2.11 If, for any sound reason a candidate fails to continue with studies, he/she may apply to Senate for freezing of the registration through his/her Department, College Postgraduate Studies & Research (PGS&R) Committee and SGS Board. The maximum period for such freezing of registration shall be two years.
- 2.12 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.
- 2.13 A coursework candidate who fails to complete studies within specified period shall be discontinued, unless Senate has approved application for extension.

DOCTOR OF PHILOSOPHY (PhD) IN ENGINEERING

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

1. Entry Requirements

- 1.1 A candidate for admission to the Ph.D. degree programme in the CoET must hold a relevant Masters degree from the University of Dar es Salaam or of any other recognized Institution.
- 1.2 Candidates who possess a relevant First Class in Bachelor of Science may be considered for Ph.D. 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 authorization by Senate.

2. Programme Structure

- 2.1 The programme involves a minimum of three years for full-time candidates, or five years for part-time registered candidates.
- 2.2 The procedure for obtaining full registration will be similar to that required for MSc. (Thesis) as stipulated in sections 2.2 to 2.13 above, with the following changes: the proposal shall not exceed 25 pages; In 2.8 once it finds the proposal satisfactory, the college PGS&R Committee will approve the proposal and notify the SPSC.
- 2.3 The general University regulations for postgraduate studies and specifically for PhD studies govern the conduct of studies in the College.

3. Sandwich Programmes

The CoET offers Ph.D. training by the sandwich mode. This is mainly in areas where the facilities and research infrastructure in CoET is deemed inadequate to provide quality research meriting the award of Ph.D. 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 Ph.D. under this mode.

- 3.1 Entry requirements and registration procedure is the same as stipulated in 1.1 and 1.2.
- 3.2 The procedure for obtaining full registration will be similar to that required for MSc. (Thesis) as stipulated in sections 2.2 to 2.13 above with the following changes: the proposal shall not exceed 25 pages; In 2.8 once it finds the proposal satisfactory, the college PSRP will approve the proposal and notify the SPSC.
- 3.3 The candidate must provide evidence of financial support to enable him/her carry out the external part of the study.
- 3.4 The candidate must spend at least 24 months at the University of Dar es Salaam for the whole period of study.
- 3.5 Candidates who register at other Universities, but who 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.
- 3.6 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 degree programmes in all present specializations by coursework and dissertation.

Entry Requirements

1. The minimum qualification for admission to any of the Master degree programmes offered by CoET is a lower second class Bachelor of Science degree in a corresponding field of Engineering from University of Dar es Salaam (UDSM) or any other recognised institution.
2. A corresponding Postgraduate Diploma offered by the CoET, UDSM or any other recognised institution may also suffice for consideration for admission to any of the Masters in Engineering programmes.
3. 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), Information Technology, Computer Studies, Electronics Science, Statistics and other applied sciences may also be considered.
4. 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.
5. The Admission Board will also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval.

Structure of Programmes

1. The programmes shall comprise of coursework and dissertation. Fulltime students shall complete their coursework within the first 2 semesters of enrolment.
2. Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment.
3. The minimum time for the dissertation phase shall be 6 months.
4. The credit system shall be used to gauge the workload involved in a programme.
5. 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.
6. 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
7. A department offering a programme shall specify the field of specialization and the minimum coursework credits from core and elective courses for a particular specialized field. Certain core courses may be compulsory.
8. 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.

Assessment

1. Each course module shall be offered and assessed in the same semester and a grade awarded.
2. A department offering a master's programme shall specify the field of specialization and the minimum coursework credits from core and elective courses for a particular specialized field.
3. 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 to the Univeristy Qualification Framework set

- by the Tanzania Commission for Universities (TCU)
4. The average grade for all postgraduate courses must be at least “B”
 5. A candidate whose GPA is below 2.7 shall be discontinued from the programme.
 6. A candidate whose overall GPA is 2.7 or above, shall be allowed to do supplementary examinations in the failed courses.
 7. The maximum grade that can be attained from a supplementary examination shall be “B.”
 8. Candidates who fail in more than one supplementary examinations shall be discontinued from the programme.
 9. Candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.
 10. 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.
 11. 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 40%. The form of assessment shall be specified by respective instructors at the beginning of the course.
 12. For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal.
 13. 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 start of the dissertation phase.
 14. The Departmental Postgraduate Committee shall form a panel of three members to evaluate the candidate’s research proposal.
 15. 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 his/her dissertation work. The panel shall monitor the candidate’s research progress.
 16. University guidelines on the preparation of dissertations shall apply.

POSTGRADUATE DIPLOMA

Entry Requirements

Advanced Diploma or equivalent in Engineering in the relevant field from a recognized College or a pass degree in Engineering in the relevant field from a recognized 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 Postgraduate Diploma in Civil Engineering with specialisation in Structural Engineering, Master of Science in Construction Management, Master of Science in Structural Engineering and Doctor of Philosophy PhD.

POSTGRADUATE DIPLOMA IN CIVIL ENGINEERING WITH SPECIALIZATION IN STRUCTURAL ENGINEERING

Introduction

The postgraduate diploma programme in Civil Engineering with specialization in Structural engineering consists of a programme of study involving the completion of a total of at least 120 credits. Candidates must complete 14 compulsory core units including project in the general area of Civil Engineering and then select a specialization involving the completion of at least 8 credits in Structural Engineering.

Objective

The specific objectives of the Postgraduate Diploma Programme in Civil Engineering are:
To provide graduates with relevant modern knowledge in their field of specialization Structural Engineering to meet the job market requirements.

To 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.

List of Courses for Postgraduate Diploma in Civil Engineering- Structural Engineering specialization

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
SD 321	Theory of Statically Indeterminate Structures	12	SD 599	Project	16
TM 321	Project Appraisal and Planning Techniques	12			
TR 331	Highway Materials	12			
TR 685	Geotechnical Engineering	12			
Optional Courses (Select at least 12 Credits)			Elective Courses (Select at least 44 credits)		
TM 420	Management of Construction Projects	12	TR 332	Pavement design and Maintenance	12
SD 341	Design of Reinforced Concrete Structures	12	SD 662	Advanced Structural Analysis	12
SD 470	Design of Bridges	12	WR 460	Management of Solid and Hazardous Wastes	12
			SD 360	Design of Steel Structures	8
			SD 442	Intermediate Design of Concrete Structures	12

MASTER OF SCIENCE IN CONSTRUCTION MANAGEMENT

List of Courses for the Master of Science in Construction Management

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
TM 601	Construction Planning and Resources Management	12	MG 611	Engineering Finance and Economics	12
TM 602	Construction Corporate Management	12	TM 605	Construction Safety Management	12
TM 603	Construction Procurement and Cost Estimating	8	TM 606	Construction Equipment and Plant Management	8
MG 623	Project Management	12	TM 611	Infrastructure Maintenance Management	12

TM 604	Construction Law and Contract Management	12	TM 607	Construction Techniques I	12
	Optional courses (Select at least 8 credits)			Optional courses (Select at least 8 credits)	
TM 608	Construction Techniques II	8	TM 608	Construction Techniques II	8
MG 603	Principles of Environmental Management	8	MG 603	Principles of Environmental Management	8
Semester 3					
TM 699	Dissertation	60			

MASTER OF SCIENCE IN STRUCTURAL ENGINEERING

List of Courses for the Master of Science in Structural Engineering

Semester 1			Semester 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
SD 661	Engineering Analysis	12	SD 662	Advanced Structural Analysis	12
SD 663	Theory of Plates and Shells	12	SD 665	Dynamics of Structures	12
SD 664	Finite Elements Method	12	SD 666	Stability of Structures	12
Compulsory Courses for Students in the Concrete Stream			Compulsory Courses for Students in the Steel Stream		
SD 672	Advanced Design of Concrete Structures	12	SD 669	Plasticity Theory	12
SD 673	Advanced Prestressed Concrete	12	SD 671	Advanced Design of Steel Structures	12
Optional Courses for All Students (Select at least two Courses)			Optional Courses for All Students (Select at least two Courses)		
SD 677	Advanced Bridge Engineering	12	SD 674	Advanced Concrete Technology	12
SD 675	Design of Tall Buildings	12	SD 676	Advanced Design of Timber Structures	12
			SD 680	Advanced Foundation Engineering	12
Semester 3					
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 Surveying. This department offers postgraduate programmes leading to the award of Postgraduate Diploma in Civil Engineering with specialisation in Transportation Engineering, Master of Science in Highway Engineering MSc. and Doctor of Philosophy Ph.D.

POSTGRADUATE DIPLOMA IN CIVIL ENGINEERING WITH SPECIALIZATION IN TRANSPORTATION ENGINEERING

Introduction

The postgraduate diploma programme in Civil Engineering with specialization 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 specialization involving the completion of at least 36 credits in Transportation Engineering.

Objective

- The specific objectives of the Postgraduate Diploma Programme in Civil Engineering are:
- To provide graduates with relevant modern knowledge in their field of specialization Transportation Engineering to meet the job market requirements.
- To 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.

List of Courses for the Postgraduate Diploma in Civil Engineering- Transportation Engineering Specialization

Semester I			Semester II		
Core Courses			Core Courses		
Code	Course Title	Credits	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			
Optional Courses: Select at least 12 Credits			Optional 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 Engineering	12
			TR 442	Transportation Economics	12

MASTER OF SCIENCE IN HIGHWAY ENGINEERING

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.

Objectives

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, design and supervision of highway projects.

List of courses for the Master of Science in Highway Engineering Programme

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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 Drainage	12	TR 634	Highway Materials	12
TR 635	Geo-technical Engineering	12	TR 636	Highway Management Systems	12
EM 601	Mathematical Analysis	12			
Optional Courses			Optional Courses (Select at least 12 Credits)		
No optional courses			MG 623	Project Management	12
			EM 602	Numerical Analysis	12
SEMESTER 3					
TR 699	Dissertation	60			

DEPARTMENT OF WATER RESOURCES 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 Surveying. This department offers postgraduate programmes leading to the award of Postgraduate Diploma in Civil Engineering with specialisation in Transportation Engineering, Master of Science in Highway Engineering MSc. and Doctor of Philosophy PhD.

POSTGRADUATE DIPLOMA IN CIVIL ENGINEERING WITH SPECIALIZATION IN WATER RESOURCES ENGINEERING

Introduction

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

Objectives

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

- provide graduates with relevant modern knowledge in their field of specialization Water Resources Engineering to meet the job market requirements; and
- 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.

Admission Requirements

Admission to the programme is in accordance to the University of Dar es Salaam general minimum entry requirements for Postgraduate Degree programmes. Specifically, for admission to the Postgraduate Diploma in Civil Engineering with specialization in Water Resources Engineering, requires Advanced Diploma or equivalent in Engineering in the relevant field from a recognized College or a Pass degree in Engineering in the relevant field from a recognized University.

List of courses for the Postgraduate Diploma in Civil Engineering - Water Resources Engineering Specialization

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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			
Optional Courses (Select at least 12 credits)			Optional 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 Microbiology	12
			WR 446 (WR 460)	Management of Solids and Hazardous Wastes	12

MASTER OF SCIENCE IN WATER RESOURCES ENGINEERING

Introduction

The Water Resources Engineering programme is the most well established postgraduate programme in the faculty, and has been in operation from 1982.

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

The MSc. programme involves the completion of a total of at least 180 credits. Candidates specializing in Environmental Engineering must complete 152 credits including project (dissertation) and at least 28 credits in elective courses, while those specializing in Hydrology must complete 160 credits including project (dissertation) and at least 20 credits in elective courses and those specializing 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.

Objectives

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 particular reference to the developing countries of the Sub-Saharan Africa.

Admission Requirements

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

Courses

The courses are indicated as core to all students or respective specializations 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.

List of courses for the Master of Science in Water Resources Engineering – Engineering hydrology

stream

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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 Hydroautics	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
	Optional Courses (Select 12 Credits)			Optional 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 3					
WR 699	Dissertation				60

List of courses for the Master of Science in Water Resources Engineering – Environmental engineering stream

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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
	Optional Courses (Select at least 24 Credits)			Optional 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 3					
WR 699	Dissertation				60

List of courses for the Master of Science in Water Resources Engineering – Water management stream

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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 Management	8
Optional Courses (Select at least 16 Credits)			Optional 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 3					
WR 699	Dissertation				60

MASTER OF INTEGRATED WATER RESOURCES MANAGEMENT (MIWRM)

Introduction

During admission, students in MIWRM programme can choose to specialise in one of the following: Hydrology or Water Resources Management, Water and Land or 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 region, which offer one of the specialisations. UDSM offers the Hydrology specialisation. Other universities offer the following: University of Zimbabwe offers specialization in Water Resources Management; University of Botswana offers specialization in Water and Land; University of Kwazulu Natal offers specialization in GIS and Earth Observation; University of The Western Cape offers specialization in Water and society; University of Malawi offers specialization in Water and Environment; and the Polytechnic of Namibia offers specialization in Water Supply and Sanitation.

Objectives

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:

To raise skills and awareness with regard to regional scale IWRM among institutions and people active in the field of water resources management;

- Stimulate regional cooperation in the field of education in IWRM; and
- Stimulate and strengthen applied research in the area of water resources for the development of

the region.

Admission Requirements

Admission to the programme is in accordance to the University of Dar es Salaam general minimum entry requirements for Masters Degree programmes. Specifically, for admission to the degree of Master of Integrated Water Resources Management requires holders of a lower second-class first (Bachelor) degree (B.A or BSc.) or Postgraduate Diploma offered by the CoET, UDSM or any recognized institution

List of courses for the Master in Intergrated Water Resources Management – Water resources Management

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
WM 641	Principles of Integrated Water Resources Management	8.0	WM 670	Integrated Water Resources Management Project	12
WM 642	Principles of Hydrology	8.0	WM 676	Water Resources Assessment and Monitoring	12
WM 643	Socio-Economics of Water & Environmental Resources	12.0	WM 654	Groundwater Management	12
WM 644	Principles of Aquatic Ecology	8.0	WM 675	Water Resources Modelling	12
WM 645	Policies, Laws & Institutions	12.0	WM 677	Catchment Water Management	12
WM 650	Principles of Water Quality & Environmental Management	8.0			
WM 658	GIS, database management and analytical tools	12.0			
WM 660	Water Resources Analysis & Planning	8.0			
Semester 3					
WM 699	Dissertation				68

List of courses for the Master in Intergrated Water Resources Management – Water and Environment

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
WM 641	Principles of Integrated Water Resources Management	8.0	WM 670	Integrated Water Resources Management Project	12
WM 642	Principles of Hydrology	8.0	WM 649	Environmental Management Tools	12
WM 643	Socio-Economics of Water & Environmental Resources	12.0	WM 651	Environmental Water Management	12
WM 644	Principles of Aquatic Ecology	8.0	WM 664	Water Quality Management	12

WM 645	Policies, Laws & Institutions	12.0	WM 673	Management of Aquatic Ecosystems	12
WM 650	Principles of Water Quality & Environmental Management	8.0			
WM 658	GIS, database management and analytical tools	12.0			
WM 660	Water Resources Analysis & Planning	8.0			
Semester 3					
WM 699	Dissertation			68	

List of courses for the Master in Intergrated Water Resources Management – Hydrology

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
WM 641	Principles of Integrated Water Resources Management	8.0	WM 670	Integrated Water Resources Management Project	12
WM 642	Principles of Hydrology	8.0	WM 652	Hydrogeology	12
WM 643	Socio-Economics of Water & Environmental Resources	12.0	WM 655	Hydrological Processes	12
WM 644	Principles of Aquatic Ecology	8.0	WM 657	Hydrological Modelling	12
WM 645	Policies, Laws & Institutions	12.0	WM 662	River Engineering	12
WM 650	Principles of Water Quality & Environmental Management	8.0			
WM 658	GIS, database management and analytical tools	12.0			
WM 660	Water Resources Analysis & Planning	8.0			
Semester 3					
WM 699	Dissertation				68

List of courses for the Master in Intergrated Water Resources Management – Water and land

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
WM 641	Principles of Integrated Water Resources Management	8.0	WM 670	Integrated Water Resources Management Project	12
WM 642	Principles of Hydrology	8.0	WM 656	Agricultural Water Management	12
WM 643	Socio-Economics of Water & Environmental Resources	12.0	WM 648	Wetlands and Agriculture	12
WM 644	Principles of Aquatic Ecology	8.0	WM 674	Agro-Industrial Water Use	12
WM 645	Policies, Laws & Institutions	12.0	WM 661	Catchment Management	12
WM 650	Principles of Water Quality & Environmental Management	8.0			
WM 658	GIS, database management and analytical tools	12.0			

WM 660	Water Resources Analysis & Planning	8.0			
Semester 3					
WM 699	Dissertation			68	

List of courses for the Master in Intergrated Water Resources Management – GIS and Earth Observation

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
WM 641	Principles of Integrated Water Resources Management	8.0	WM 670	Integrated Water Resources Management Project	12
WM 642	Principles of Hydrology	8.0	WM 663	Earth Observation for Hydrological Analyses	12
WM 643	Socio-Economics of Water & Environmental Resources	12.0	WM 659	Advanced Geographic Information System	12
WM 644	Principles of Aquatic Ecology	8.0	WM 669	Earth Observation Project8	12
WM 645	Policies, Laws & Institutions	12.0	WM 668	Spatial Analyses for Water Resources Management	12
WM 650	Principles of Water Quality & Environmental Management	8.0			
WM 658	GIS, database management and analytical tools	12.0			
WM 660	Water Resources Analysis & Planning	8.0			
Semester 3					
WM 699	Dissertation				68

List of courses for the Master in Intergrated Water Resources Management – Water Supply and Sanitation

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
WM 641	Principles of Integrated Water Resources Management	8.0	WM 670	Integrated Water Resources Management Project	12
WM 642	Principles of Hydrology	8.0	WM 665	Wastewater Management	12
WM 643	Socio-Economics of Water & Environmental Resources	12.0	WM 666	Environmental Water Quality Processes	12
WM 644	Principles of Aquatic Ecology	8.0	WM 646	Water Supply	12
WM 645	Policies, Laws & Institutions	12.0	WM 647	Water Utility Management	12
WM 650	Principles of Water Quality & Environmental Management	8.0			
WM 658	GIS, database management and analytical tools	12.0			
WM 660	Water Resources Analysis & Planning	8.0			

Semester 3		
WM 699	Dissertation	68

MASTER OF INTEGRATED SANITATION MANAGEMENT (MISM)

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 otherwise stated. The time for the dissertation phase is 6 months.

Objectives

The programme focuses on managers in integrated sanitation and utilization 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:

- To provide 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;
- To conduct 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 resources re-use; and
- To provide expert professional services in the form of consultancy.

List of courses for the Master of Intergrated Sanitation Management

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
ISM 600	Principles of Integrated Sanitation Management	12	ISM 605	Policy, Laws and Institutions in Sanitation Management	12
ISM 601	Technical Aspects of Sanitation	8	ISM 606	Water, Sanitation and Hygiene Education	12
ISM 602	Ecological Sanitation	12	ISM 607	Integrated Sanitation Management Planning	12
ISM 603	Decentralised Water Supply and Sanitation	8	ISM 608	Socio-Economic Aspects of Sanitation Management	12

ISM 604	Field and Laboratory Techniques	12	ISM 609	Research Methodology	8
ISM 614	Application of Geographical Information Systems in Sanitation Management	8	ISM 610	Sanitation Evaluation Project	4
	Optional Courses			Optional Courses	
ISM 611	Restoration and Remediation of Polluted Sites	8	ISM 612	Integrated Environmental Management	8
			ISM 613	Strategic elements in Water Supply and Sanitation Services	8
Semester 3					
ISM 699	Dissertation				60

**DEPARTMENT OF ELECTRICAL ENGINEERING
POSTGRADUATE DIPLOMA IN ELECTRICAL POWER ENGINEERING**

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.

Programme Objectives

Main Objective

The main objective of the reviewed 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 in Tanzania and internationally.

Specific Objectives

The Postgraduate Diploma in Electrical Power Engineering curriculum has been reviewed to fulfill the following specific objectives:

- a) To enable graduates to apply knowledge of electrical engineering principles.
- b) To enable graduates to have knowledge in the areas of Electrical Power Engineering.
- c) To equip 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) To equip students with hands-on experience on key modern electrical power systems and computer based test and measurement equipments.
- e) To equip students with knowledge to develop appropriate engineering analytical models based on given specifications.
- f) To impart effective leadership and decision-making skills.
- g) To equip students with learning and research skills.

Courses for Postgraduate Diploma in Electrical Power Engineering

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	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
	Optional Courses (Select 24 credits Minimum)			Optional Courses (Select 12 credits Minimum)	
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	Modeling & Simulation of Power Electronics Circuits	12	MG 612	Business Statistics and Forecasting	12
DP 332	Electrical Power Transmission and Distribution	12			

MASTER OF SCIENCE IN POWER ELECTRONICS AND ELECTRICAL DRIVES

Introduction

The MSc. in Power Electronics and Electrical Drives programme is intended to train students on 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.

Programme Objective

The major objective of the MSc. in Power Electronics and Electrical Drives Programme is to enhance the knowledge of postgraduate engineers in analysis, modeling 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, model 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.

Courses for MSc. in Power Electronics and Electrical Drives

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
CS680	Computer Programming	12	EM601	Mathematical Analysis	12
DP601	Rotating Machines Analysis	12	EM602	Numerical Analysis	12
DP602	Power Electronics	12			
Optional Courses (Select 24 credits Minimum)			Optional Courses (Select 36 credits Minimum)		
CS662	Control System Analysis and Synthesis	12	DP683	Foundations of Electrical Systems	12
DP600	Basic Control Theory and Electronic Control	12	MG611	Engineering Finance and Economics	12
DP610	Modelling & Simulation of Power Electronics Circuits	12	MG632	Entrepreneurship Development	12
DP681	Network Analysis	12	DP682	Network Synthesis	12
SEMESTER 3					
DP 699	Dissertation	60			

MASTER OF SCIENCE IN POWER SYSTEMS AND HIGH VOLTAGES

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 there levant fields of specialisation. Student scan register either as fulltime or parttime 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.

Programme Objective

The major Objective of the MSc. Power Systems and High Voltages Programme is to enhance the knowledge of postgraduate engineers in analysis modeling 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, modeling and simulation of Power Systems and High Voltage Systems.

The students in the MSc. Power Systems and High Voltages Programme are provided to suBSc.ribe a range of elective courses in Electrical Engineering field and other specialisations.

Courses for MSc. in Power System and High Voltage Engineering

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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			
Optional Courses (Select 24 credits Minimum)			Optional Courses (Select 36 Minimum)		
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
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 3					
DP 699	Dissertation	60			

DEPARTMENT OF MECHANICAL AND INDUSTRIAL ENGINEERING

The department of Mechanical and Industrial Engineering offers postgraduate programmes leading to the following awards:

- 1) Postgraduate Diploma in Mechanical Engineering (with options to specialise in either production engineering or energy engineering)
- 2) Postgraduate Diploma in Engineering Management
- 3) Master of Science in Production Engineering
- 4) Master of Science in Energy Engineering
- 5) Master of Science in Renewable Energy
- 6) Master of Engineering Management (Project Management)
- 7) Master of Engineering Management (Information Communication Technology Management)
- 8) Master of Engineering Management (Techno-Entrepreneurship)
- 9) Master of Science in Oil and Gas Engineering
- 10) Doctor of Philosophy Ph.D., in various Mechanical, Industrial Engineering and Engineering Management fields.

POSTGRADUATE DIPLOMA IN MECHANICAL ENGINEERING

Introduction

The Postgraduate Diploma Programme 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 24 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 specializations

Objectives

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

- upgrade graduates with Advanced Diploma in the area of Mechanical Engineering to a level equivalent to or higher than that of a Bachelor’s degree;
- prepare candidates with either a pass degree or Advanced Diploma in the area of mechanical engineering for advanced training at master’s degree level in relevant mechanical engineering areas; and
- provide to the candidates up-to-date knowledge on modern manufacturing processes and related technology and management.

List of courses for the proposed Postgraduate Diplomain Mechanical Engineering programme- Production Engineering

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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
Optional Courses (Select at least 24 credits)			Optional 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 for the proposed Postgraduate Diplomain Mechanical Engineering programme- Energy Engineering

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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	EN 599	Energy Engineering Project	12
Optional Courses (Select at least 24 Credits)			Optional 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

Introduction

The postgraduate diploma programme 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.

Objectives

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.

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

Structure of the Programme

1. The Programme may be offered on FULL-TIME DAY Programmes mode, FULL TIME Evening Programme mode or Online Programme mode MODULAR Programme mode (Part time day or evening programmes).
2. 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).

3. The programme shall consist of lectures and a project. Where necessary, practicals shall also be offered.
4. Enrolment to the programmes shall be at the beginning of the first semester of each academic year, for the full-time day 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.
5. 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.
6. Candidates for the FULL-TIME DAY programme mode are expected to complete their programmes within TWO semesters.
7. The credit system shall be used to gauge the workload involved. One credit shall be equivalent to 10 hours of lecture, practical and self study.
8. 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.
9. 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.
10. Candidates for the EVENING FULL-TIME programme mode are expected to complete their programme within TWO semesters.
11. 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.
12. 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.
13. Candidates for the MODULAR MODE (Part Time) DAY or EVENING programmes are expected to complete their programme within THREE semesters.
14. Successful completion of the Postgraduate Diploma programme means satisfying the pre-requisites for a relevant Masters programme.

Assessment

1. A course shall be subjected to a final examination at the end of the course.
2. 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.
3. A candidate (FULL- TIME DAY or EVENING) whose overall GPA at the end of semester two is below 2.7 shall be discontinued from the programme.
4. A candidate (FULL-TIME DAY or EVENING) whose overall GPA a 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(s) by the end of July in the respective academic year.
5. 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.
6. The maximum attainable grade in a supplementary examination shall be "B."
7. A candidate who fails in 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 a failed subject twice.

8. A candidate who repeats a subject for reasons of academic failure shall be treated as “modular mode candidate” as far as paying of fees FOR THE FAILED MODULES is concerned.
9. A candidate who fails in the Project shall be required to supplement the Project at the end of Semester 2. The time period allowed to SUPPLEMENT the project shall be five week.
10. Candidates who register for MSc. or MEM programmes in related fields within less than two years of completion of postgraduate diploma programmes shall be allowed to transfer credits for the 600 level courses provided these do not exceed 30% of the total number of course units taken a masters degree level.
11. Candidate who have transferred credits from postgraduate diploma programme into MSc. or MEM programmes may improve their grades provide that the grade scored during the MSc. or MEM programme shall hold.

Courses for the Post graduate Diploma in Engineering Management Programme

SEMESTER 1		
Core Courses		
Code	Course Title	Credits
MG 501	Application of Microcomputers in Management	12
MG 502	Foundations of Operations Research	12
Optional Courses (Select at least 36 credits)		
MG 602	Statistics and Research Methods	12
MG 621	Project Appraisal	12
MG 622	Consulting Management	12

SEMESTER 2		
Core Courses		
Code	Course Title	Credits
MG 503	Inventory and Logistics Management	12
MG 504	Production Management	12
MG 599	Project	12
Optional Courses (Select atleast 22 credits)		
MG 601	Organization and strategic Management	12
MG 603	Principles of Environmental Management	12
MG 611	Engineering Finance and Economics	12

MASTER OF SCIENCE IN PRODUCTION ENGINEERING

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 candidate must complete 60 credits of dissertation.

Objectives

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.

List of courses for the Master of Science in Production Engineering programme.

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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
Optional Courses (Select at least 12 credits)			Optional Courses (Select at least 12 credits)		
MG 602	Statistics and Research Methods	12	PD630	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
PD628	Theory of Elasticity and Plasticity	12	PD633	Welding	12
PD629	Advanced Measurement and Control	12	PD 634	Welding Metallurgy	12
MG 632	Entrepreneurship Development	12			
MG 622	Consulting Management	12			
SEMESTER 3					
PD 699	Dissertation	60			

Also the department offers MSc. and PhD degrees by research and thesis.

MASTER OF SCIENCE IN ENERGY ENGINEERING

Introduction

The Masters of Science programme in Energy Engineering consists of a total of 180 credits. During the course work candidates must complete 72 credits of the core course modules and 48 credits of the elective courses. Upon successful completion of the coursework candidates must complete 60 credits of dissertation.

Objectives

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 minimize environmental pollution, and manage energy engineering installation. The graduates should also be able to effectively engage in energy related Research and Development.

List of courses for the MSc. In Energy programme

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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			
EN 614	Energy Systems and Environmental Pollution	12			
			Optional 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
			PD620	Design Methodology	12
SEMESTER 3					
EN 699	Dissertation	60			

MASTER OF ENGINEERING MANAGEMENT (PROJECT MANAGEMENT)

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.

Objectives

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.

List of courses for for the Master of Engineering Management (Project Management)

SEMESTER 1		
Core Courses		
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
Optional Courses (Select 12 credits Minimum)		
MG 612	System Thinking and Quality Management	12
MG 631	Fundamentals of technology management	12
MG 632	Entrepreneurship Development	12

SEMESTER 2

Core Courses

Code	Course Title	Credits
MG 601	Organization and strategic Management	12
MG 603	Principles of Environmental Management	12
MG 623	Project Management	12
MG 624	Contract Management and Administration	12

Optional Courses (Select 12 credits Minimum)

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 2

Core Courses

Code	Course Title	Credits
MG 601	Organization and strategic Management	12
MG 603	Principles of Environmental Management	12
MG 623	Project Management	12
MG 624	Contract Management and Administration	12

Optional Courses (Select 12 credits Minimum)

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 3

MG 699	Dissertation	60
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MASTER OF ENGINEERING MANAGEMENT (INDUSTRIAL AND INFORMATION TECHNOLOGY MANAGEMENT)

Introduction

The Masters programme in Engineering Management (MEM) Industrial and Information 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. Upon successful completion of the coursework candidate must complete 60 credits of dissertation.

Objectives

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.

List of Courses for the Master of Engineering Management (Industrial and Information Technology Management)

SEMESTER 1		
Core Courses		
Code	Course Title	Credits
CS 680	Computer Programming	12
MG 602	Statistics and Research Methods	12
MG 614	Database Management Systems	12
Optional Courses (Select 24 credits Minimum)		
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 3		
MG 699	Dissertation	60

MASTER OF ENGINEERING MANAGEMENT (TECHNO-ENTREPRENEURSHIP)

Introduction

The Masters programme in Engineering Management (MEM) Techno-Entrepreneurship specialisation consists of 180 credits. Candidates must complete 84 credits of the core course modules and any 36 credits to be chosen from a list of electives. This programme is also available through online mode. Upon successful completion of the coursework, candidates must complete 60 credits of dissertation.

Objective

The major objective of the MEM Techno-Entrepreneurship is to enable candidates to develop their entrepreneurial skills and knowledge in order to be well prepared to quickly adjust to the world of work. The ultimate goal is to encourage students upon graduation to become job creators than job seekers

Courses

Core Courses

SEMESTER 1		
Core Courses		
Code	Course Title	Credits
CS 680	Computer Programming	12
MG 602	Statistics and Research Methods	12
MG 631	Fundamentals of technology management	12
MG 632	Entrepreneurship Development	12
Optional Courses (Select 12 credits Minimum)		
MG 612	System Thinking and Quality Management	12
MG 635	Selected Topics in Technology Management	12
MG 633	Environmental Business Management	12
MG 699	Dissertation	60

SEMESTER 2		
Core Courses		
Code	Course Title	Credits
MG 601	Organization and strategic Management	12
MG 603	Principles of Environmental Management	12
MG 611	Engineering Finance and Economics	12
Optional Courses (Select 24 credits Minimum)		
MK 600	Marketing Management	12
MG 621	Project Appraisal	12
MG 622	Consulting Management	12

SEMESTER 3		
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 Masters 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) specializations:

- a) Bio-energy, that is designed to qualify students for occupations and careers in area of bio-energy production, fuels process equipment design, pollution associated risk assessment as well as energy efficiency, The MSc. Renewable Energy-Bio-Energy specialization consists of a total of 180 credits. During the course work candidates must complete 72 credits of the core course modules and 48 credits of the elective courses. Upon successful completion of the coursework candidates must complete 60 credits of dissertation,
- b) Hydropower deals with areas of integrated water management, land survey, dams and canals construction, hydroelectric power house design and construction, water turbines and control systems design and installation, hydroelectric generators design and installation as well as electricity distribution networks design and monitoring. The MSc. Renewable Energy-Hydropower specialization consists of a total of 180 credits. During the course work candidates must complete 84 credits of the core course modules and 36 credits of the elective courses. Upon successful completion of the coursework candidates must complete 60 credits of dissertation,
- c) Solar and wind energy systems that is 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 specialization consists of a total of 180 credits. During the course work candidates must complete 72 credits of the core course modules and 48 credits of the elective courses. Upon successful completion of the coursework candidates must complete 60 credits of dissertation and
- d) Energy efficiency in buildings that is designed in such a way that graduates will be provided with a specialized 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 specialization consists of a total of 180 credits. During the course work candidates must complete 72 credits of the core course modules and 48 credits of the elective courses. Upon successful completion of the coursework candidates must complete 60 credits of dissertation

Duration of the Programme

The Masters of Science in Renewable Energy programme lasts for eighteen (18) months.

Admission Requirements

Admission to the programme is in accordance to the University of Dar es Salaam general minimum entry requirements for Masters Degree programmes. Specifically, for admission to the degree of Master of Science in Renewable Energy, holders of a lower second-class first 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.

List of courses for the MSc. In Renewable Energy programme-Bio-energy Specialization.

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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			
Optional Courses (Select One Minimum)			Optional Courses (Select Three Minimum)		
MG 632	Entrepreneurship Development	12	EN 617	Optimization 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 3					
EN 699	Dissertation	60			

List of courses for the MSc. In Renewable Energy programme- Hydropower specialization

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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			
Optional Courses (Select 12 credits Minimum)			Optional Courses (Select 24 credits Minimum)		
MG 632	Entrepreneurship Development	12	EN 617	Optimization 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 3					
WR 699	Dissertation	60			

List of courses for the MSc. In Renewable Energy programme- Solar and Wind Energy Specialization

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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			
Optional Courses (Select 12 credits Minimum)			Optional Courses (Select 36 credits Minimum)		
MG 632	Entrepreneurship Development	12	EN 617	Optimization 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 3					
DP 699	Dissertation	60			

List of courses for the MSc. In Renewable Energy programme- Energy Efficiency in Buildings Specialization

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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
Optional Courses (Select 24 credits Minimum)			Optional Courses (Select 24 credits Minimum)		
MG 632	Entrepreneurship Development	12	EN 617	Optimization 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 3					
SD 699	Dissertation	60			

MASTER OF SCIENCE IN OIL AND GAS ENGINEERING

Introduction

The Masters of Science programme in Oil and Gas Engineering 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 candidates must complete 60 credits of dissertation.

Objectives

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 emphasis on subsea production systems, processing equipment, transport pipelines, supply chain and logistics, utilization 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 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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
Optional Courses (Select at least one course)			Optional 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 3					
ME 699	Dissertation	60			

DEPARTMENT OF CHEMICAL AND MINING ENGINEERING

The department of Chemical and Mining Engineering offers postgraduate programmes leading to the following awards:

- Postgraduate diploma in environmental Engineering
- Master of science in Chemical Engineering
- Master of science in Petroleum Engineering
- Master of science in Mining Engineering (Mineral economics)

POSTGRADUATE DIPLOMA IN ENVIRONMENTAL ENGINEERING

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
CP 522	Air Pollution Prevention and Control	12	CP 508	Computer Applications	12
CP 521	Solid Waste Management	12	CP 503	Thermodynamics	12
WR 602	Water Pollution Prevention and Control	12	CP 623	Resource Utilization and Environmental Technology	12
			CP 599	Project	12
<u>Elective Courses</u> (Select 24 credits Minimum)			<u>Elective Courses</u> (Select 16 credits Minimum)		
CP 605	Food Process Engineering	12	CP 406	Process Dynamics and Control	8
CP 607	Advanced Process Technology	12	MG 440	Engineering Economics	8
CP 609	Process Energy Management	4	CP 625	Hazard and Operability (HAZOP) Studies	4
CP 626	Hazard Analysis (HAZAN) Risk Assessment Occupational Safety and Health Hazards	4	CP 628	Soil and Ground Water Pollution from agricultural Activities	4
CP 609	Unit Operation in Water Treatment	8	CP 617	Unit Operation in Waste Water Treatment	12
CP 615	Environmental Management	8	WR 614	Water Resources Management	12
CP 627	Radiation Hazards and Protection				

Courses shown above with 600 codes are Master's level courses.

Credits scored in the Master's level courses may be transferred to a Masters programme.

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

SEMESTER 1			SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	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	Introduction to Environmental Engineering	12	EM 602	Numerical Analysis	12
CS 680	<u>Computer Programming</u>	12	MG 624	<u>Contract Management and Administration</u>	12
<u>Optional Courses</u> (Select 12 credits Minimum)			<u>Optional Courses</u> (Select 12 credits Minimum)		
CP 604	Plant Design and Optimization	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 3					
CP 699	Dissertation	60			

MASTER OF SCIENCE IN PETROLEUM ENGINEERING

YEAR 1 - SEMESTER 1			YEAR 1 - SEMESTER 2		
Core Courses			Core Courses		
Code	Course Title	Credits	Code	Course Title	Credits
OG 601	Reservoir Rock and Fluid Properties	12	OG 621	Oil and Gas Production Wells	12
OG 630	Directional Drilling	12	OG 631	Pressure Control during Drilling	12
OG 640	Reservoir Recovery Methods	12	OG 661	Reservoir Modelling and Simulation	12
ME684	Field Development and Operations	10	OG 662	Computational Methods in Petroleum Engineering	12
Optional Courses (Select one)			Optional Courses (Select one)		
OG 672	Petroleum Management, Ethics and Political Economy	12	OG 670	Team Work Techniques	12
OG 674	Petrophysics and Well Logging	12	OG 671	Petroleum Economics	12
ME 681	Natural Gas Technology	12	OG 673	Pollution Control in Petroleum Industry	12
IE 602	Statistics and Research Methods	10	OG 675	Drilling Fluids	12
YEAR 2 - SEMESTER 1					
OG 699	Dissertation	60			

M.Sc. Mining Engineering (Mineral Economics)

Code	Course Title	Credit	Semester
MN 611	Occupational Health and Safety in Mining Industry	12	1
MN 683	Project Management	12	2
MN 684	Cost Management for Mining Systems	12	2
MN 685	Mineral Resource Economics	12	1
MN 623	Mine geotechnical Engineering	12	2
IE 602	Statistics and Research Methods	12	1
MN 621	Surface Mining Systems	12	1
MN 622	Underground Mining systems	12	1
MK 608	International marketing	12	2
MN 623	Mineral project Evaluation	12	2

Code	Course Title	Credit	Semester
Elective			
MN 675	Mine Finance and Investment	12	1
MN 671	Environmental and Social Management Systems	12	2
OL 604	Good Governance in Oil and Minerals	15	1
EC 650	Environmental economics I		
EC 676	Econometric theory and practice I	12	1
EC 677	Econometric theory and practice II	12	2
MP 677	Advanced Mineral processing	12	2
MN 699	Dissertation	24	

Programme Fee Structure

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non-Tanzanian (US\$)
Postgraduate Diploma in Civil Engineering (PGD Eng) with specialization in: <ul style="list-style-type: none"> ▪ Water Resources Engineering; ▪ Structural Engineering; ▪ Transportation Engineering 	Coursework and Report	Evening	12 months	3,050,000	4,020
Postgraduate Diploma in Mechanical Engineering with specialization in: <ul style="list-style-type: none"> ▪ Energy Engineering ▪ Production Engineering 	Coursework and Report	Evening	12 months	3,050,000	4,020
Postgraduate Diploma in Chemical and Process Engineering	Coursework and Report	Evening	12 months	3,050,000	4,020
Postgraduate Diploma in Environmental Engineering	Coursework and Report	Evening	12 months	3,050,000	4,020
Postgraduate Diploma in Electrical Power Engineering	Coursework and Report	Evening	12 months	3,050,000	4,020
Postgraduate Diploma in Engineering Management, (PGD- EM)	Coursework and Report	Online/ Distance	12 months	3,050,000	4,020
Postgraduate Diploma in Engineering Management (PGD-EM)	Coursework and Report	Evening	12 months	3,050,000	4,020
Master of Science in Water Resources Engineering, MSc (WRE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Highway Engineering, MSc (HE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non-Tanzanian (US\$)
Master of Science in Structural Engineering, (MSc STE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Construction Management, (MSc CM)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Integrated Water Resources Management, (MIWRM)	Coursework and Dissertation	Fulltime	18 months (Starts in March, 2017)	4,781,500	6,030
Master of Integrated Sanitation Management, (MISM)	Coursework and Dissertation	Fulltime	18 months Starts in March, 2017)	4,781,500	6,030
Master of Science in Production Engineering, (MSc PE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Energy Engineering, (MSc EN)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Renewable Energy, (MSc RE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Engineering Management, (MEM) with specialization in <ul style="list-style-type: none"> ▪ Information Communication Technology Management (ICTM) ▪ Project Management (PM) 	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Engineering Management, (MEM) with specialization in <ul style="list-style-type: none"> ▪ Project Management and ICTM for evening programme ▪ Project Management for Online programme 	Coursework and Dissertation	Evening	24 months	6,375,000	6,030
Master of Engineering Management, (MEM) with specialization in <ul style="list-style-type: none"> ▪ Project Management and ICTM for evening programme ▪ Project Management for Online programme 	Coursework and Dissertation	Online	24 months	6,375,000	6,030
Master of Science in Power Electronics and Electrical Drives, MSc (PE & ED)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Power Systems and High Voltages, MSc (PS & HV)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030
Master of Science in Oil and Gas Engineering (MSc. OGE)	Coursework and Dissertation	Fulltime	18 months	4,781,500	6,030

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non-Tanzanian (US\$)
Doctor of Philosophy (PhD) in Chemical Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Electrical Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Mechanical Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Energy Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Renewable Energy	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Engineering Materials	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Engineering Management	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Civil Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Structural Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Transportation Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Geotechnical Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Construction Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Water Resources Engineering	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Doctor of Philosophy (PhD) in Integrated Sanitation Management	Thesis	Full Time	36 months	3,387,500 per year	4,020 per year
Master of Science in Chemical Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Electrical Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Production Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Renewable Energy	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Energy Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in in Civil Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Structural Engineering	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Construction Management	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Water Resources Engineering	Thesis	Full Time	24 months	6,375,000	8,040

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TZS)	Non-Tanzanian (US\$)
Master of Science in Transportation Engineering	Thesis	Full Time	25 months	6,375,000	8,040
Master of Integrated Water Resources Management	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Integrated Sanitation Management	Thesis	Full Time	24 months	6,375,000	8,040
Master of Science in Integrated Environmental Management (MSc. IEM) Offered jointly with the College of Natural and Applied Sciences (CoNAS)	Coursework and Dissertation	Fulltime	18 Months	4,781,500	6,030

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Z. Haji

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D. Mwanakosa

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S. I. Deo BScEng (Dar)

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Vacant

Laboratory Scientist I
Vacant

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M. Semkiwa, ADV Diploma (ARU) – Part-Time

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Vacant

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*H. Haule BScEng (Dar)

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*M. Fortunatus BScEng (Dar)

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Laboratory Engineer I

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Laboratory Scientist I

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I. A. Legonda, BScEng, MSc (Dar), PhD (Cardiff)

Head of Workshop (TDTC)

Eng. R. Wakati

Multidisciplinary Workshop

Principal Technician

Vacant

Foremen

J. Nicholas

R. Mohamed

M. Ramadhani

Principal Artisan I

J. Mbolela

H. R. Pandukizi

S. Chambuso

Y. S. Mohamedi

M. J. Lugenge

F. F. Mkawe

Senior Artisan I

W. S. Magaho

Artisan II

J. Habilu

Training Workshops (TWs)

Principal Workshop Instructor I and Head

A. S. Kyoro, ADE (DIT), PGD, MEM (Dar)

Chief Workshop Instructors

M. Osman, BScEng (Dar), MScEng (Trondheim)

M. N. Lugoye, BScEng, MSc, PhD (Dar)

T. Severine, FTC (DIT), MSc (Dar)

M. Roman, DipEL & Instr (Dar), PGD, MEM (Dar)

A. M. K. Ngoma, FTC (DTC), MSc (Moscow), PhD (Stockholm)

M. P. Jahulula, FTC (TCA), ADE (DIT), PGD, MEM (Dar), MBA (Tumaini)

W. R. Mwaruka, BScEng, MSc (Dar)

Principal Workshop Instructors II

S. N. Jaffer, Pedag. Diplom. (Germany), DipEd (Germany), FTC (DTC)

C. E. B. M. Amos, ADE (DIT), PGD, MSc (Dar)

Senior Workshop Instructors I

M.S. Killo, FTC (DTC), ADE (DIT), PGD (Dar)

Workshop Instructor I

E. William, DipEng (ATC), BScEng (DIT)

Workshop Instructors II

F. R. Duduye, FTC (TCA), ADE (DIT), PGD (Dar)

J. Said, BSc (CSE) (Dar), MSc (HE) (Dar)

S. P. Kyabula, BSc (CSE) (Dar)

J. Makusa, BScEng (Dar), MSc, PhD (Stokholm)

Assistant Workshop Instructor

R. D. Kokushuliza, BScEng, MSc (Dar)

Chief Technician

A. A. Mchomvu, FTC (TCA), BSc (OUT)

Principal Technician II

R. J. Manota, FTC (DIT), ADE (MIST)

S. Mzobora, HNDEng (Germany)

Senior Technician I

M. E. Msengi, CertPed (Germany), FTC (DIT)

Senior Laboratory Assistant I

H. Mlangali, Trade Test Grade I (Carpentry)

Senior Laboratory Assistant II

D. Mutayoba, Trade Test Grade I (NVTC)

Foreman

H. Ndiale, Trade Test Grade I

Principal Artisan I

C. C. Kalikela, Trade Test Grade I

Principal Artisan II

A. L. Kwembe, Trade Test Grade I

C. M. Wadelanga, Trade Test Grade I

Senior Artisans I

T. Ramadhani, Trade Test Grade I

* On Study Leave

**On Sabbatical Leave

***On Leave of Absence/Secondment

COLLEGE OF HUMANITIES (CoHU)

The College of Humanities has facilities in all departments to enable students to undertake advanced work and research under supervision for M.A. and PhD degrees of the University of Dar es Salaam. M.A. degrees are offered in two modes (1) by coursework and dissertation, and (2) by thesis only. Currently, PhD programmes are offered by thesis only.

The College offers various postgraduate programmes through its six departments which are:

1. Department of History,
2. Department of Literature,
3. Department of Creative Arts,
4. Department of Philosophy and Religious Studies,
5. Department of Archaeology and Heritage Studies and,
6. Department of Foreign Languages and Linguistics.

The College also has two centres namely;

1. Centre for Communication Studies (CCS); and
2. Humanities Research Centre (HRC).

Aims and Objectives

The aims and objectives of the postgraduate studies programme are:

- a. To extend the existing generalized undergraduate studies by offering specialized teaching and instruction at an advanced level to meet Tanzania's immediate professional needs;
- b. To create awareness of the problems of African development and a personal commitment to humanistic knowledge in Tanzania;
- c. To encourage an interdisciplinary approach and joint research among all the University's humanities departments; and
- d. To generate teaching and research materials with direct relevance to contemporary policy issues in Tanzania.

Regulations

All University Regulations on the conduct of postgraduate studies apply.

Duration of the Course

All M.A. programmes by coursework and dissertation offered in the College last for 18 months. M.A. programmes by thesis last for 24 months and PhD programmes by thesis last for three years.

Eligibility for Admission into the M.A. Programmes

To be eligible for admission, the candidate must fulfill the following conditions:

- i) A relevant Bachelor's degree or its equivalent; and
- ii) Positive recommendations from the minimum of two referees.

M.A. programmes by coursework and dissertation 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.

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 Dares Salaam 2013). The terminal period of 9 months is directed towards the completion of a dissertation. The dissertation is done after the candidate completes and passes the coursework. The M.A. degree will not be granted until the dissertation has been satisfactorily completed.

Assessment

M.A. by Coursework and Dissertation: Coursework 50%, Final examinations 50%, Dissertation 100%.
M.A. and PhD by Thesis: Thesis 100%.

The table below provides a list of all Postgraduate Degree Programmes Offered in the College of Humanities.

1.	M.A. (Archaeology)	By coursework and dissertation or by Thesis	18-24 months
2.	M.A. (Heritage Management)	By coursework and dissertation or by Thesis	18-24 months
3.	M.A. (History)	By coursework and dissertation or by Thesis	18-24 months
4.	M.A. (Fine Arts),	By coursework and dissertation or by Thesis	18-24 months
5.	M.A. (Music)	By coursework and dissertation or by Thesis	18-24 months
6.	M.A. (Theatre)	By coursework and dissertation or by Thesis	18-24 months
7.	M.A. (Literature)	By coursework and dissertation or by Thesis	18-24 months
8.	M.A. (Linguistics)	By coursework and dissertation or by Thesis	18-24 months
9.	M.A. (Ethics of Governance and Public Services)	By coursework and dissertation or by Thesis	18-24 months
10.	PhD (offered in all departments)	By Thesis	36 months

DEPARTMENT OF ARCHAEOLOGY AND HERITAGE STUDIES

The Department of Archaeology and Heritage Studies offers the following postgraduate programmes;

MASTER OF ARTS IN ARCHAEOLOGY- M.A. (ARCHAEOLOGY)

First Year: Semester I

Core Courses

Code	Course Title	Credits
AY 600	Archaeological Approaches	12
AY 601	Africa and the Emergence of Prehistoric Cultures	12
AY 602	Development of Archaeological Theory	12
HM 607	Managing Archaeological Sites	12

Optional Courses (choose two)

Code	Course Title	Credits
AY 608	Advanced Archaeometallurgy	12
AY 609	Architectural Technology in Archaeology	12
AY 610	Technologies of Organic Materials	12

First Year: Semester II*Core Courses*

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

Optional Courses (choose two)

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
AY 613	Academic Writing in Heritage and Archaeology	12
AY 699	Dissertation	60

MASTER OF ARTS IN HERITAGE MANAGEMENT -M.A. (HERITAGE MANAGEMENT)**First Year: Semester I***Core Courses*

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

Optional Courses

Code	Course Title	Credits
HM 608	Managing and Use of Museum Collections	12
HM 609	Managing Archival Resources	12

First Year: Semester II*Core Courses*

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

Optional Courses

Code	Course Title	Credits
HM 604	Cultural Heritage Impact Assessment (CHIA)	12
HM 611	Geographic Information Systems in Archaeology	12

HM 612	Marketing and Promoting Heritage Resources	12
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Compulsory Course: Semester I – II

Code	Course Title	Credits
HM 613	Academic Writing in Heritage and Archaeology	12
HM 699	MA Dissertation	60

DEPARTMENT OF HISTORY

The Department of History offers the following postgraduate programmes:

MASTER OF ARTS IN HISTORY - M. A. (HISTORY)

First Year: Semester I

Core Courses

Code	Course Title	Credits
HI 605	Theory of History	12
HI 606	Historiography of Africa	12
HI 607	History Research Methods and Techniques	12

Optional Courses

Code	Course Title	Credits
HI 612	Topics in Tanzania Environmental History	12
HI 614	Diseases and Healing in Africa: Late 19 th Century to the Present	12
AY 620	History of Heritage Conservation	12
AY 621	Theories and Principles Governing Management of Heritage Resources	12

First Year: Semester II

Core Courses

Code	Course Title	Credits
HI 608	Preparation of History research proposals	12
HI 609	Global Capitalism and Africa	12
HI 611	Colloquium on the political economy of Tanzania	12

Optional Courses

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

Second Year:

Core Courses

Code	Course Title	Credits
HI 699	Dissertation	60

DEPARTMENT OF CREATIVE ARTS

The Department of Creative Arts offers the following postgraduate programmes;

MASTER OF ARTS IN FINE ARTS- M.A. (FINE ARTS)

First Year: Semester I

Core Courses

Code	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

Optional Courses

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

First Year: Semester II

Core Courses

Code	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

Optional Courses

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 Advertizing	12

Second Year.

Core Courses

Code	Course Title	Credits
CA 699	Dissertation	60

MASTER OF ARTS IN THEATRE ARTS - M. A. (THEATRE ARTS)

First Year: Semester I

Core Courses

Code	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

Optional Courses:

Code	Course Title	Credits
CA 627	Theories and Practices in Acting	12
CA 628	Television Drama and Behavior Change	12
CA 629	Drama Therapy	12

First Year: Semester II

Core Courses

Code	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

Optional Courses:

Code	Course Title	Credits
CA 637	Radio Drama for Social Change	12
CA 638	Production Design	12
CA 639	Theatre Management	12

Second Year.

Core Courses

Code	Course Title	Credits
CA 699	Dissertation	60

MASTER OF ARTS IN MUSIC - M.A. (MUSIC)

First Year: Semester I

Core Courses

Code	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

Optional Courses:

Code	Course Title	Credits
CA 614	Music Analysis	12
CA 615	Music, Song and Dance	12

First Year: Semester II

Core Courses

Code	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

Optional Courses:

Code	Course Title	Credits
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CA 625	Music for Development in Africa	12
CA 617	Political Economy of Creative Industries	12

Second Year

Core Courses

Code	Course Title	Credits
CA 699	Dissertation	60

DEPARTMENT OF LITERATURE

The Department of Literature offers postgraduate programmes leading to the award of Master of Arts in Literature M.A. (Literature) and Doctor of Philosophy, (PhD). The M.A. (Literature) degree is offered in two modes: either by Coursework and Dissertation or by Thesis. The PhD degree is currently offered by thesis only.

MASTER OF ARTS IN LITERATURE - M.A. (LITERATURE)

This is an eighteen (18) months Master 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. The dissertation shall weigh 60 credits, and it will be done during the remaining nine months.

First Year: Semester 1

Core Courses

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

Optional Courses

LT 615	Linguistic Studies of the Novel	12
LT 619	Perspectives in Writing	12

Semester 2

Core Courses

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

Optional Courses

LT 600	Dramaturgy and Dramatic Literature	12
LT 613	Prisons and Exile Literature	12

Second Year.

Core Courses

Code	Course Title	Credits
LT 699	Dissertation	60

DEPARTMENT OF PHILOSOPHY AND RELIGIOUS STUDIES

The Department of Philosophy and Religious Studies offers postgraduate programmes leading to the award of Master of Arts in Ethics of Governance and Public Service and three Doctor of Philosophy, (PhD) programmes namely;

- PhD (Philosophy);
- Ph.D in Comparative Religious Studies; and
- Ph.D in African Religion.

The M.A. (Literature) degree is offered in two modes: either by Coursework and Dissertation or by Thesis. The PhD degree is currently offered by thesis only.

MASTER OF ARTS IN ETHICS OF GOVERNANCE AND PUBLIC SERVICE -M.A. (ETHICS OF GOVERNANCE AND PUBLIC SERVICE)

The Master of Arts in Ethics of Governance and Public Service is an 18 months programme by coursework and dissertation, consisting of 2 semesters of course work plus writing of a Masters dissertation. Students have 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 students to acquire 60 credits for their MA Dissertation.

First Year: Semester I

Core Courses

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

Optional Courses

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

First Year: Semester II

Core Courses

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

Optional Courses

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	Globalization and Development	8

Second Year:

PL 699	Dissertation	60
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DEPARTMENT OF FOREIGN LANGUAGES AND LINGUISTICS

The Department of Foreign Languages and Linguistics offers postgraduate programmes leading to the award of Master of Arts in Linguistics (M.A. Linguistics) and Doctor of Philosophy in Linguistics (Ph.D Linguistics). The M.A. Linguistics degree is offered either by coursework and dissertation or by thesis, while the PhD Linguistics degree is offered by thesis only.

MASTER OF ARTS IN LINGUISTICS - M.A. (LINGUISTICS)

For M.A. in Linguistics Programme by thesis, a candidate shall be deemed eligible for admission if he/she has 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 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. 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.

As for M.A. in Linguistics programme by thesis, a candidate must have at least an upper second degree in the relevant field.

STREAM A: Theoretical Linguistics

Semester 1

Core Courses

Code	Course Title	Credits
ML 631	Advanced Phonology	12
ML 632	Advanced Morphology	12
ML 633	Advanced Syntax	12

Optional Courses

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 2

Core Courses

Code	Course Title	Credits
ML 647	African Language Structures	12
ML 648	Linguistics Field Methods	12
ML 650	Research Methods for Linguists	12

Optional Courses

Code	Course Title	Credits
ML 646	Stylistics	12
ML 648	Linguistics Field Methods	12
ML 649	Postgraduate Seminar (<i>But recommended</i>)	12
ML 651	Discourse Analysis	12
ML 638	Lexicography	12
ML 636	Sociolinguistics of International Languages	12

Second Year

Code	Course Title	Credits
ML 699	Dissertation	60

STREAM B: English Language Teaching

Semester I

Core Courses

Code	Course Title	Credits
ML 631	Advanced Phonology	12
ML 632	Advanced Morphology	12
ML 633	Advanced Syntax	12

Optional Courses

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

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

Optional Courses

Code	Course Title	Credits
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ML 645	Language Assessment and Evaluation	12
ML 649	Postgraduate Seminar (But recommended)	12
ML 651	Discourse Analysis	12
ML 638	Lexicography	12
ML 636	Sociolinguistics of International Languages	12

Second Year:

Code	Course Title	Credits
ML 699	Dissertation	60

PRINCIPAL ADDRESSES OF THE COLLEGE OF HUMANITIES

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COHU STAFF LIST

THE OFFICE OF THE PRINCIPAL

Principal of the College and Senior Lecturer

R.A. Upor, B.A.(Ed), M.A. (Dar), PhD (Georgia)

Deputy Principal and Lecturer

M.Y.M Silkiluwasha, B.A. (Ed) (Hons), M.A., (Dar), PhD (Illinois)

Coordinator Postgraduate Studies

D. Sanga, B.A, (Dar), M.A. (International Institute of Social Studies – The Hague), PhD (University of Bayreuth, Germany)

Coordinator Undergraduate Studies

M. F. Lyakurwa, B.A. (Urbaniana Roma), M.A. (Dar), PhD (Stellenbosch)

Coordinator, Research, Publication and Consultancy

H. Kangelawe, B.A (Ed), M.A (Dar), PhD (Stellenbosch)

Coordinator, Practical Training

G.E. Kimambo, B.A. (Ed.), M.A. (Dar), PhD (Stellenbosch)

Coordinator, Quality Assurance

E. Mjema, B.A., M.A. (Dar), PhD (Frankfurt)

Principal Administrative Officer

D. W. Semkwiji, B.A. (Gen.), M.A (Soc.) (Dar)

Senior Systems Administrator

A.C. Moshi. B.Sc-Computer Science (Dar)

Department of Creative Arts:

Head and Senior Lecturer

K. Mapana, B.A, M.A. (Dar), PhD (Seattle Pacific Univ. Washington)

Professor

I. Sanga, B.A., M.A. (Dar), Ph.D. (University of KwaZulu-Natal)

Senior Lecturers

K. Mapana, B.A, M.A. (Dar), PhD (Seattle Pacific Univ. Washington)

L. C. Mwenesi, Dipl. Ed., B.A. (Dar), P.G. Dipl. Graphics (Glasgow), M.V.A. (Alberta), Ph.D. (Edmonton)

V. Shule, B.A, M.A. (Dar), PhD (Johannes Guternberg-Universitat)

Lecturers

M. Ndomondo, B.A, M.A. (Dar), PhD (University of Texas at Austin)

M. Mwakalinga, B.A, M.A. (Dar), PhD (University of Kansas)

D. Enock, B.A, M.A. Ph.D. (Dar)

K. Mkallya, B.A, M.A. Ph.D. (Dar)

A. Mohammed, B.A, M.A. (Dar), M.A. (West Virginia State University), PhD (Ohio)

****K. Kilonzo, BFA (University of North Texas), M.A (University of Texas at Dallas), PhD (Dar)

N. Kigombe, B.A, M.A. (Dar), Free University of Berlin (Germany)

D. Sanga, B.A, (Dar), M.A. (International Institute of Social Studies – The Hague), PhD (University of Bayreuth, Germany)

G.D. Nahimiani, B.A, M.A. PhD (Dar)

D. Njewe, B.A, M.A. (Dar), M.A. (Witwatersrand), Ph.D (Dar)

Assistant Lecturers

E. Mwakibete, B.A., M.A. (Dar)

Tutorial Assistants

* G. Kamala, B.A. (Dar)

* A. Shivji, B.A. (York Univ. Toronto)

Principal Studio Instructor I

R. Ndunguru, B.A. (Dar), M.A (West Virginia)

C. Kayoka, B.A. (Dar)

Principal Studio Instructor II

S. Ndibalema, B.A., M.A. (Dar)

S.M. Mungy, Dip (Dar), MA (Westminster)

L. Sarakikya, B.A. (USIU), M.A. (ECU)

Artist in Residency I

S.C. Bellegho, Dipl. in Film/Video Camera (Kenya Institute of Mass Communication)

S. Kimbokota B.A. M.A. (Dar)

NB:

* On study leave

** On Leave without pay

Department of Foreign Languages and Linguistics:

Lecturer and Head

A.D. Mallya, B. (Ed.), M.A. (Dar), PhD (Stellenbosch)

Associate Professors

I. Swilla, B.A., M.A. (Dar), PhD (Sorbonne)
G.C. Mapunda, B.A. (Ed.), M.A. (Dar), Ph.D (Bristol/Dar)

Senior Lecturers

R.A. Upor, B.A. (Ed), M.A. (Dar), PhD (Georgia)
E.A. Msuya, B.A. (Ed), M.A. (Ed), Ph.D (Dar)

Lecturers

A.A. Rubera, B.A. (Nur), M.A., Ph.D (Paris XIII)
A.M. Keya, B.A. (Dar), M.A. (Birmingham), Ph.D (Dar)
E.N. Shartiely, B.A. (Ed), M.A. (Dar), Ph.D (Stellenbosch)
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** M.J. Lulandala, B.A. (Ed.), M.A. (Besancon), Ph.D (Geneva)
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Assistant Lecturers

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*F.K. Kristomus, B.A. (Ed.), M.A. (Dar)
*K.L. Mathayo, B.A. (Ed.), M.A. (Dar)
*I.P. Mwambapa, B.A. (Ed.), M.A. (Dar)
E.M. Msambwa, B.A. (Ed.), M.A. (Dar)
O.M. Mwampalile, B.A. (Ed.), M.A. (Dar))
*C.I. Kilangi, B.A. (Ed.), M.A. (Dar)
*M.C. Ibrahim, B.A. (Ed.), M.A. (Dar)
* *G.F. Muganda, B.A. (Ed.), M.A. (Dar)
*B.P. Msagalla, B.A. (Ed.), M.A. (Dar)
P.L. Lunyili, B.A. (Ed.), M.A. (Dar)
*L.P. Ngwasi, B.A. (Ed.), M.A. (Dar)
L.V. Mwinuka, B.A. (Ed.) (MUCE), M.A. (Dar)
*D.J. Nyakana, B.A. (Ed.), M.A. (Dar)
N.A. Ngoda, B.A. (Dar), M.A (Buea)
*G.M. Moses, B.A. (Dar)

Tutorial Assistant

S. Duwe B.A. (Dar)
I. Joseph B.A. Ed. (Dar)

NB:

* On study leave
** On Leave without pay

Department of Literature

Head and Senior Lecturer

E. S. Mwaifuge, B.A. (Dar), Cert in American Studies (W.Michigan), M.A, PhD (Dar)

Senior Lectures

E. S. Mwaifuge, BA (Dar), Cert in American Studies (W.Michigan), M.A, PhD (Dar)

Y. M. M. Silkiluwasha, BAED, MA (Dar), PhD (Illinois)

L. T. Osaki, BAED (Horns), M.A (Dar), PhD (Florida)

M. Andindilile, BA, MA (Dar), MA (City), MPhil, Ph.D (Fordham)

J. X. Wakota, BAED, MA (Dar), PhD (Stellenbosch)

Lecturers

E. K. Sekwiha-Gwajima, BAED, MA (Dar), PhD (Edinburgh)

E. P. Lema, BAED, MA, PhD (Dar)

Y. C. Ng'umbi, BAED, MA (Dar), PhD (Stellenbosch)

D. Nyanda, BAED, MA (Dar), PhD (Stellenbosch)

N. Eliphas, BAED, MA (Dar), PhD (Stellenbosch)

Assistant Lecturers

*E. Kweka, BED, MA (Dar)

*M. Musagasa, BAED, MA (Dar)

H. Msilikale, BAED, MA (Dar)

*R. N. Nzegenuka, BAED, MA (Dar)

B. Mgaya, BAED, MA (Dar)

L. Herman, BAED, MA (Dar)

*I. Fedeo, BAED, MA (Dar)

O. Kanyawana, BAED, MA (Dar)

S. Elias, BAED (Dar), MA (Airlangga)

Tutorial Assistant

*D. Mdugala, BAED (Dar)

NB:

*On studies

Department of History

Head and Lecturer

M. Sadock, B.A. (Ed.) (Dar), M.A. (Iowa), PhD (Dar)

Professor

F.J. Kaijage, B.A. (E.A.), M.A., PhD. (Warwick)

Associate Professors

Y.Q. Lawi, B. Ed., M.A., (Dar), PhD. (Boston)

Senior Lecturer

O. Masebo, B.A. [Ed.] (Dar), M.A., (Dar), PhD (Minnesota)

Lecturers

G. Sumbai, BA (Ed) , MA, Ph.D (Dar)
M. Sadock, BA (Ed) (Dar), MA (Iowa), PhD (Dar)
G. Ambindwile, BA, (Ed) MA, (Dar), PhD (Dar)
I. R. Magoti, BA (Ed,) MA (Dar), PhD (Dar)
J. Zotto, BA (Ed) MA (Dar), PhD (Dar)
A. Onyiego, BA, MA (Dar), PhD (Dar)
M. Chuhila, BA (Ed) , MA (Dar), PhD (Warwick)
H. Kangalawe, BA (Ed), MA (Dar), PhD (Stellenbosch)
H. Ndomba BA (Ed) (Dar) MA (Dar) PhD (Stellenbosch)
S. Nyanto, BA, MA (Dar), PhD (Iowa)

Assistant Lecturers

H. Hashim, BA (Ed) , MA (Dar)
* D. Abia, BA, MA (Dar)
* R. Kirey, BA (Ed) MA (Dar)
* F. Edward, BA, MA (Dar)
* E. Mchome, BA (Ed), MA (Dar)
* J. Marmo, BA (Ed) MA (Dar)
* Y. Komba BA (Ed) , MA (Dar)
* A. Kifyasi, BA (Ed) , MA (Dar), MA (Zhejiang)

Tutorial Assistants

B. Mtechura, BA, (Ed) (Dar)

NB:

* On study leave

Department of Archaeology and Heritage Studies:

Head and Lecturer

N. Lwoga, B.A. (Makerere), M.A. (Dar), M.A. (OUT), PhD (Dar)

Professor

F.A. Chami, B.A. (Dar), M.A. (Brown), PhD (Uppsala)

Associate Professors

**A. Z. P. Mabula, B.A. (Dar), M.A, PhD (Florida)

Senior Lecturers

E. T. Kessy, B.A. (Dar), MPhil. (Cambridge), PhD (Simon Fraser)
P. M. Bushozi, B.A., M.A. (Dar), Ph.D (Alberta)
T. J. Biginagwa, B.A., M.A. (Dar), PhD (York)
E. C. Lyaya, B.A., M.A. (Dar), PhD (College of London)
E. Mjema, B.A., M.A. (Dar), PhD (Frankfurt)

Lecturers

N. Lwoga, B.A. (Makerere), M.A. (Dar), M.A. (OUT), PhD (Dar)
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F. Masele, B.A., M.A. (Dar), PhD (Alberta)

Assistant Lecturers

* P. Makarius, B.A., M.A. (Dar)

*S. Musa, B.A., M.A. (Dar)

*R. Bigambo, B.A., M.A. (Dar)

*M. Bundala, B.A., M.A (Dar)

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* On study leave

** On Leave without pay

Department of Philosophy and Religious Studies

Head and Lecturer

N.E. Mhando, B.A. M.A (Dar), PhD (Goldsmiths, University of London)

Professors

H. Lauer, B.A. (New York), B.A. (Ghana), M.A., PhD (New York)

Senior Lecturers

E. Magoti, B.A., M.A. (Louvain), PhD (University of Birmingham, UK)

Lecturers

N.E. Mhando, B.A. M.A (Dar), PhD (Goldsmiths, University of London)

**N.M. Masoud, B.A., M.A., PhD., (Moscow)

A.S. Mihanjo, B.A. (Philippines), M.A., PhD (St. Thomas, Philippines)

M. F. Lyakurwa, B.A (Urbanian Roma) M.A. (Dar) PhD (Stellenbosch)

Assistant Lecturers

* P. Tumainimungu, B.A, M.A, (Dar)

* J. Ishengoma, B.A, (Urbanian University Rome), M.A (Catholic University of Paris).

* I.A Khamisi B.A, M.A (Dar)

J.J. Coy, B.A (Jordan University), M.A. (Dar)

* P.J. Komu, B.A (Jordan University), M.A. (Dar)

S. Kahumba, B.A. (Jordan University), M.A (Christ University Bangalore India)

I. Kavinge, B.A., M.A., (Jordan University)

* E. Mgalula, B.A. (Catholic University of Eastern Africa – CUEA), M.A. (Dar)

Tutorial Assistants

L.S. Kitula, B.A. (Dar)

NB:

* On study leave

** On Leave without pay

Centre for Communication Studies (CCS)

Director and Lecturer

M.L. Karani, Cert. IIIA (Monduli TTC), B.A. (Ed), (Dar), M.A. (Dar), PhD (Stellenbosch)

Associate Professor

M.A.S. Qorro, B.A. (Dar), M.A. (Banger), PhD (Dar)

Senior Lecturers

M.Y. Kadeghe, B.A. (Dar), M.A. (Dar), Ph.D (Dar)

Lecturers

M.L. Karani, B.A. (Ed), (Dar), M.A. (Dar), PhD (Stellenbosch)

P.C. Mdukula, B.A. (Ed), M.A. Ph.D (Dar)

P.L. Joseph, B.A. (Ed) (Dar), M.A. (Dar), Ph.D (Stellenbosch)

Assistant Lecturers

G.Y. Njiro, B.A. (Ed), (Dar), M.A. (Dar)

J.J. Olomy, B.A. (Ed), (Dar), M.A. (Dar)

J.A. Msuya, B.A. (Dar), M.A. (Dar)

Z.R. Geuza, B.A. (BALL), (Dar), Msc. (Moi)

*Z.O. Saul, B.A. (Dar), M.A. (Dar)

Tutorial Assistants

*R.K. Millambo, B.A. (Dar)

*F. Mulinda, B.A. (Dar)

NB:

* On study leave

COLLEGE OF INFORMATION AND COMMUNICATION TECHNOLOGIES (CoICT)

INTRODUCTION

The College of Information and Communication Technologies (CoICT) is a college specializing in the information and communication technologies. The college comprises of the following units:

- Department of Computer Science and Engineering (CSE)
- Department of Electronics and Telecommunications Engineering (ETE)
- Centre for Virtual Learning (CVL)
- The University of Dar es Salaam Information Technology Centre (UDITC)

POSTGRADUATE PROGRAMMES OFFERED BY COICT

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs)	Non Tanzanian (US\$)
PGD in Electronics Engineering and Information Technology	Coursework and Report	Evening	12 months	2,600,000	4,020
PGD in Telecommunications Engineering	Coursework and Report	Evening	12 months	3,184,000	4,020
Master of Science in Computer Science	Coursework and Dissertation	Fulltime	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	Fulltime	24 months	4,200,000	6030
Master of Science in Electronics Science and Communication	Coursework and Dissertation	Fulltime	24 months	6,412,500	8,040
Master of Science in Electronics Science and Communication	Thesis	Fulltime	24 months	4,200,000	6030
Master of Science in Health Informatics (Evening Programme)	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 Telecommunications Engineering	Coursework and Dissertation	Evening	24 months	6,412,500	8,040
Master of Science in Information Systems Management	Coursework and Dissertation	Fulltime	24 months	4,200,000	6,030
Master of Science in Information Systems Management	Thesis	Fulltime	24 months	4,200,000	6,030
Master of Science in Computer and IT Systems Engineering	Coursework and Dissertation	Fulltime	18 months	6,412,500	8,040

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs)	Non Tanzanian (US\$)
Master of Science in Computer and IT Systems Engineering	Coursework and Dissertation	Evening	24 months	6,412,500	8,040
Master of Science in Oil and Gas Engineering	Coursework and Dissertation	Fulltime	18 months	6,412,500	6,030
Doctor of Philosophy (PhD) in Computer Science	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Computer Science	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Electronics Science and Communication	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Electronics Science and Communication	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Telecommunications Engineering	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Telecommunications Engineering	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Electronics Engineering and Information Technology	Thesis	Fulltime	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	Fulltime	48 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Computer and IT Systems Engineering	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year

The various degree programmes are based in the Departments.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering offers the following postgraduate programmes:

MASTER OF SCIENCE IN HEALTH INFORMATICS

Entry Qualifications: At least a Bachelors Degree, Advanced Diploma or its equivalent from a recognized institution of higher learning in relevant fields of specialization.

Duration:	24 months
Assessment:	Coursework: 50%
	Final examination: 50%
	Dissertation: Graded

Program Structure:

The Master of Science programme in Health Informatics is an evening program and consists of a total of 192 Credits. Candidates must complete a minimum of 180 credits, which shall include all core courses (including 60 credits of dissertation) and any additional elective courses to yield the minimum of 180 Credits.

Core Courses for all students (116 credits).

Code	Course Title	Credits
HIS 603	Principles and Methods of Epidemiology	8
HIS 604	Information Systems and Organizations in a Global Context	8
HIS 605	Open Source Software for Health Care	12
HIS 606	Health Research Methodology	8
HIS 607	Principles of Health Information Management II	8
HIS 608	Design, Development and Implementation of Health Information Systems	12
HIS 699	Dissertation	60

Core Courses for Computer Science background students (20Credits)

Code	Course Title	Credits
HIS 601	Introduction to Public Health, Health Systems and Health Management	12
HIS 602	Principles of Health Information Management I	8

Core Courses for Public Health background students (24 Credits)

Code	Course Title	Units
HIS 612	Database Design and Management	12
HIS 613	Introduction to Informatics	12

Optional Courses (32 Credits)

Code	Course Title	Credits
HIS 611	GIS for Public Health	12
HIS 610	Health Economic Planning and Management	8
HIS 614	Public Health Statistics	12

MASTER OF SCIENCE IN COMPUTER SCIENCE

Entry Qualifications:

At least an honours Bachelor degree from the University of Dar es Salaam, or an equivalent Masters degree from a recognized institution of higher learning.

Duration: 24 months

Assessment:

Coursework: 50%

Final examination: 50%

Dissertation: Graded

Program Structure:

The Master of Science programme in Computer Science is a regular program and consists of a total of 224 Credits. Candidates must complete 144 Credits of the core course modules (inclusive of 60 credits of dissertation) and at least any 36 credits to be chosen from the list of electives.

Core Courses (144 credits)

Code	Course Title	Credits
IS601	Object Oriented Programming	12
IS 602	Database systems	12
IS 603	Advanced networking	12
IS 604	Web Programming Languages	4
IS 605	Research Methodologies	4
IS 606	Software Architecture and Applications	8
IS 607	Artificial Intelligence	8
IS 608	Distributed Database	12
IS 609	Multimedia Systems	8
IS 610	Legal and Social Aspects of Computing	4
IS 699	Dissertation	60

Optional Courses (at least 36 Credits)

Code	Course Title	Units
IS641	Human-Computer Interactions	8
IS 642	Advanced Computer Architectures	8
IS 643	Compilation and Compiler Generation	8
IS 644	Advanced Computer Graphics	8
IS 645	Advanced Software Engineering	8
IS 646	Strategic Information Systems	8
IS 647	Expert Systems	8
IS 648	Natural Language Processing	8
IS 649	Principals of Geographic Information Systems	8
IS 650	Multimedia Communications	8

MASTER OF SCIENCE BY THESIS

The Masters programme by Thesis is offered through research followed by writing a thesis.

Entry Qualifications:

At least an honours upper second degree in a relevant field from the University of Dar es Salaam or an equivalent degree from a recognized university

Duration:

The registration period for the programme is 24 months for full time students and up to 48 months for part-time students

Assessment

Coursework: 50%

Final examination: 50%

Dissertation is graded

DOCTOR OF PHILOSOPHY (PHD)

The PhD program in Computer Science is a doctoral program offered through research followed by writing a doctoral thesis.

Entry Qualifications

Masters degree in relevant fields from the University of Dar es Salaam, or an equivalent Masters degree from recognized university.

Duration The duration for this programme is three years for full-time candidates and five years for part-time candidates

Assessment: Ph.D Thesis Pass/Fail

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING

The Department of Electronics and Telecommunications Engineering offers the following postgraduate programmes:

POSTGRADUATE DIPLOMA IN ELECTRONICS AND INFORMATION TECHNOLOGY

Entry Qualification

At least a Bachelors Degree, Advanced Diploma or its equivalent from a recognized institution of higher learning in relevant fields of specialization.

Candidates with equivalent qualifications must also possess at least secondary school certificates with credit passes.

Duration: 12 months

Assessment:

Coursework: 50%

Final examination: 50%

Project: 40 credits

Program Structure:

The Postgraduate Diploma Programme in Electronics and Information Technology is an evening mode program and it 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 electives.

Core Courses (84 Credits)

Code	Course Title	Credits
CS 321	Control Systems Engineering I	12
CS 353	Micro Computer Systems I	8
CS 599	Project	40
TE 312	Digital Telecommunication	12
TE 342	Digital Electronics for Engineers	12

Optional Courses (at least 36 Credits)

Code	Course Title	Credits
CS 652	Introduction to Computer Communication Theory	12
CS 660	Introduction to Computer and Software Engineering	12
CS 680	Computer Programming	12
DP 681	Network Analysis	8
DP 682	Network Synthesis	8
TE 651	Introduction to Telecommunications Engineering	12

MASTER OF SCIENCE IN ELECTRONICS ENGINEERING AND INFORMATION TECHNOLOGY**Entry Qualifications**

An honours degree in a relevant field from the University of Dar es Salaam or an equivalent degree from another recognized university

Duration

The registration period for the programmes is 24 months for full-time students and up to 48 months for part-time students.

Assessment

Coursework:	50%
Final examination:	50%
Dissertation:	60 credits, Graded

Program Structure:

The Master of Science programme in Electronics Engineering and Information Technology is an evening program 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. Fulltime students must complete their coursework within the first 2 semesters of enrolment, while part-time candidates must complete their coursework within the first 36 months of enrolment.

Core Courses (120 Credits)

Code	Course Title	Credits
EM602	Numerical Analysis	12
CS 652	Introduction to Computer Communication Theory	12

CS 680	Computer Programming	12
CS 684	Microcomputers and Microprocessors	12
CS 699	Dissertation	60
TE 644	Digital Communications	12

Optional Courses (at least 60 Credits)

Code	Course Title	Credits
CS 660	Introduction of Computers and Software Engineering	12
CS 661	Modern Control Theory	12
CS 662	Control Systems Analysis and Synthesis	12
CS 663	Instrumentation and Measurement I	12
CS 664	Instrumentation and Measurement II	12
CS 665	Computer-Based Techniques for Meas. and Control	12
EM 601	Mathematical Analysis	12
MG 632	Entrepreneurship Development	12
TE 651	Introduction to Telecommunications Engineering	12
TE 653	Integrated Electronics	12
TE 654	Optoelectronics	12
TE 655	Analogue Filters	12
TE 656	Digital Filters	12
TE 657	Digital Electronics	12
TE 658	Analogue Electronics	12
TE 659	Telecommunications Switching Principles	12

MASTER OF SCIENCE IN TELECOMMUNICATIONS ENGINEERING

Entry Qualifications

An honours degree in a relevant field from the University of Dar es Salaam or an equivalent degree from another recognized university

Duration

The registration period for the programmes is 24 months for full-time students and up to 48 months for part-time students.

Assessment

Coursework:	50%
Final examination:	50%
Dissertation:	60 Credits, Graded

Program Structure:

The Master of Science programme in Telecommunications Engineering is an evening program 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. Fulltime students must complete their coursework within the first 2 semesters of enrolment, while part-time candidates must complete their coursework within the first 36 months of enrolment.

Courses

Core Courses (124 Credits)

Code	Course Title	Credits
CS 680	Computer Programming	12
DP 681	Network Analysis	8
DP 682	Network Synthesis	8
EM 602	Numerical Analysis	12
TE 640	Signal Analysis	12
TE 641	Communication Theory	12
TE 699	Dissertation	60

Optional Courses (at least 56 Credits)

Code	Course Title	Credits
CS 650	Communications Electronics	12
EM 601	Mathematical Analysis	12
MG 632	Entrepreneurship Development	12
TE 642	Antenna Analysis	12
TE 643	RF and Microwave Measurement Techniques	12
TE 644	Digital Communications	12
TE 645	Optical Communications	12
TE 646	Microwave Circuits	12
TE 647	Satellite Communications	12
TE 648	Sound Broadcast Systems	12
TE 649	Television Systems	12
TE 651	Introduction to Telecommunications Engineering	12
TE 659	Telecommunications Switching Principles	12

MASTERS BY THESIS

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 masters thesis are:

- Masters of Science in Electronics Engineering and Information Technology
- Master of Science in Electronics Science and Communication
- Master of Science in Telecommunications Engineering

Entry Qualifications

At least an honours upper second degree in a relevant field from the University of Dar es Salaam or an equivalent degree from another recognized university.

Duration

The registration period for the programme is 24 months for full time students and up to 48 months for Part-time students

Assessment: MSc. Thesis Pass/Fail

DOCTOR OF PHILOSOPHY (Ph.D)

The PhD program in Electronics and Telecommunications Engineering related fields are doctoral program offered through research followed by writing a doctoral thesis.

Entry Qualifications

Masters degree in relevant fields from the University of Dar es Salaam or an equivalent Masters degree from a recognized university

Duration

The duration for the programme is three years for full-time candidates and five years for part-time candidates

Assessment:

Ph.D Thesis Pass/Fail

Kindly note that, Ph.D is graded by marks, see page 77 of the PG regulations Form UDSM. PG.F9

CoICT STAFF LIST

Office of the Principal

Senior Lecturer and College Principal

M. M. Kissaka, BSc (Dar), PhD (Manchester, UK)

Principal Administrative Officer

M. Macha, BAEd (Dar), MPA (Liverpool)

Senior Lecturer and Deputy Principal

B. B. R. Bagile, BScEng (Dar), MSc, PhD (Bradford, UK)

Department of Computer Science and Engineering

Senior Lecturer and Head

H. C. Kimaro, BSc Comp Sc (Dar), MSc (Delft), PhD (Oslo)

Professor

N. H. Mvungi, BScEng (Dar), MScEng (Salford), PhD (Leeds) R Eng (T), AMSTS

Senior Lecturers

G. R. Koda, BSc, MCompSc (Dar), MScIS (Carleton), PhD (Dar)

B. B. R. Bagile, BScEng (Dar), MSc, PhD (Bradford, UK)

H. C. Kimaro, BCompSc (Dar), MSc (Delft), PhD (Oslo)

J. S. Mtebe, BCompSc (Dar), MSc. (Queensland), PhD (Tampere)

Lecturers

M. Mbise, BEng (Hons) (Essex), PhD (Essex)

G. N. Justo, BScCompSc (Dar), MScMath (Zimbabwe), PhD (London)

J. Lungo, BCompSc (Dar), MScIS (Oslo), PhD (Oslo)

K. Kapis, MEngSc. (Curtin) MScEng (Odessa), PhD (OUT)

E. A. Kalinga, BEng (Mysore-India), MSc, PhD (Dar)

F. M. Ishengoma, BScEng (Dar), MSc (Bradford, UK)

F. Simba BCompSc, MSc, PhD (Dar)

N.Y. Hamisi, BEng (Mysore-India), MSc (Dar), PhD Dar)

M. Meghji, BSc (Dar), MSc (Victoria University), PhD (Edith Cowan University)

Assistant Lecturers

M. Mahundi, BCompSc, MSc (Dar)
K. Frank, BSc CompSc (Dar), MScCompSc (Dar)
J. Mbelwa, BSc CompSc, MSc (Dar)
W. Senyoni, BSc CompSc, MSc (Dar)
*M. Mdeme, BSc CompSc, MSc (Dar)
Y. Andengelile, BSc CEngIT, MSc (Dar)
D. Rwegasira, BScCEngIT (Dar), MSc (Sweden)
A. Kondoro, BScCompSc (Dar), MSc (Sweden)
L. Peter, BScCompSc (Dar), MSc (India)
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M. Vidate, BScCEngIT (Dar), Msc (Dar)
Z. Kaijage, BScCEngIT (Dar), Msc (Dar)
M. Tunga, BScCompSc (Dar), Msc (Dar)
I. Koleleni, BScCompSc (Dar), Msc (Dar)
B. Mussa, BScCompSc (Dar), Msc (NM-AIST)
H. Omary, BScCompSc (Dar)
H. S. Lema, BScCompSc (Dar)
F. Kawasa, BScCompSc (Dar)
M. Sogorya, BScCompSc (Dar)
*A. F. Ally, BCompSc, MSc (Dar)
*A. M. Rashid, MScCEngNet (Wroclaw Tech.), Licencitiiate CEngS (Sweden)
*C. Joseph, BCompSc (Dar), MScCISEng (Wuhan)
*J. Chambua, BCompSc, MSc (Dar)
*A. Rwegasira, BCompSc, MSc (Dar)
*M. Munaku, BScCompSc (Dar), MSc E-Learning (USQ-Australia)
*W. Nyamwihula, BScCompSc, MSc (Dar)
*J. Damas, BCompSc, MSc (Dar)
*H. Maziku, BScCEngIT (Dar), MSc (USA)
*H. Machiwa, BScCEngIT (Dar), MSc (UK)
*E. Damas, BScCEngIT (Dar)
*S. Maro, BScCompSc (Dar)

Tutorial Assistants

D. Kapinga, BScCompSc (Dar)
M. Marcelino, BScCEngIT(Dar)
L. Mkonyi, BscCompSc (Dar)
K. Mbwilo, BscCompSc (Dar)
***M. L. Goyayi, BCompSc (Dar), MBA (Dar)

Technical Staff

S. Lujara, BEng (Mysore-India), MSc, PhD (Dar)
H. S. Mohamed, Senior Systems Administrator III, BSc (Dar)

Administrative Staff

W. A. Kalwani, Senior Driver III

M. B. Mutazamba, Office Management Secretary III, Dip SS, MDEA I and II (TPSC)

Department of Electronics and Telecommunications Engineering

Lecturer and Head

L. V. Massawe, BSc (Dar), MSc (Ryukyu, Japan), PhD (CUT, SA)

Professors

M. L. Luhanga, BScEng, MEng (Cal, Poly), PGCE (Leeds), MPhil, PhD (Columbia)

H. R. Mgombelo, MScEng, (Leningrad, USSR), PhD (Bradford, UK)

Associate Professor

H. N. Kundaali, BSc (Dar), DipEE, MScEE (Eindhoven), PhD (Dar)

Senior Lecturer

M. M. Kissaka, BSc (Dar), PhD (Manchester, UK)

A. N. J. Mwambela, BSc (Dar), MSc (Durham), PhD (Dar)

Lecturers

O. F. Hamad, B.E., M.E. (BIT), PhD(CNU,Korea)

L. V. Massawe, BSc (Dar), MSc (Ryukyu, Japan), PhD (CUT, SA)

C. John, BSc (Dar), MSc (Oita), PhD (Essex, UK)

K. S. Ibwe, BSc (Dar), MSc (Chalmers), PhD (Dar)

H. U. Iddi, BSc, MSc (Dar), PhD (UTM, MY)

S. Naiman, BSc, MSc, PhD (Dar)

B. M. Maiseli, BSc (ES), MSc (Dar), PhD (China)

J. P. Nombo, BSc, MSc (Dar) PhD (Nelson Mandela)

A. T. Abdalla, BSc, MSc (Dar) PhD

P. Mafole, BSc (Dar), MSc (Trondheim) PhD

Assistant Lecturers

I. Mosses, BSc, MSc (Dar)

A. Misso, BSc, MSc (Dar)

H. Msuya, BSc, MSc (Dar)

M.J. Stephen, BSc, MSc (Dar)

E. Shayo, BSc, MSc (Dar)

G. Chugulu, BSc, MSc (Dar)

H. Mbembati, BSc, MSc (Dar)

S. Kawambwa, BSc, MSc (Dar)*G. G. Mruma, BSc, MSc (Dar)

*I. Bulugu, BSc (Dar), MSc (China)

*A. Chilwan, BSc (Dar), MSc (Trondheim)

* K. Mkocha, BSc, MSc (Dar)

* C. Mwase, BScEng (Bath), MSc (Bristol)

* M. K. Mohohamed, BSc (Dar), MSc (Trondheim)

Tutorial Assistants

N. Ally, BSc. (Dar)

F. Mkemwa, BSc. (Dar)

R. Mwang'amba, BSc. (Dar)

J. Mng'ong'o, BSc. (Dar)

Principal Laboratory Scientist II

A. Aloyse, AdvDip (DIT)

Senior Laboratory Engineer I

C. K. Raphael, AdvDip (DIT), PGEM (Dar), MEM (Dar)

T. Sapula, AdvDip (DIT), MSc (Dar)

Chief Technician

H. A. Mwakilima, DipEInst (Dar), DipDesE, DipCEng (Nijmegen), HPInst (Taiwan)

Administrative Staff

Office Management Secretary III

H. Hyera, CertSS (TPSC),

Office Attendant I

A. Hussein,

Centre for Virtual Learning

Senior Lecturer and Director

J. S. Mtebe, BCompSc (Dar), MSc. (Queensland), PhD (Tampere)

Senior Lecturer

J. S. Mtebe, BCompSc (Dar), MSc. (Queensland), PhD (Tampere)

Assistant Lecturers

K. Frank, BSc. CompSc (Dar), MSc. CompSc (Dar)

Technical Staff

O. D. Mashauri, BSc. Comp. Sc (Melbourne)

S. M. Mgaiwa Bsc., Msc Comp(Kiev), MEd-ID (Curtin)

A. A. Kiluwasha, BSc. Comp. Sc (Dar), Msc. (Kuala Lumpur)

H. Haule, BSc. Comp. Sc (Dar)

B. Saganda, BA (Dar)

G. Nkwera, Adv. Journalism (SAUT), Post. Diploma(UDSm), MA (Eastern Cape)

M. F. Makungu, FTC Elec. Eng. (DIT), Adv. Dipl. Eng. (DIT), PGD EIT (Dar)

Administrative Staff

A. Likuki, Secretary II

S. Binda, Driver

*On Study Leave

**On Sabbatical Leave

*** On Leave of Absence/Secondment

INTRODUCTION

The College of Natural and Applied Sciences (CoNAS) is one of the three 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 of seven teaching departments, namely:

- a. Botany,
- b. Chemistry,
- c. Geology,
- d. Physics,
- e. Mathematics,
- f. Molecular Biology & Biotechnology
- g. Zoology & Wildlife Conservation

In addition, the College has one service department, namely the Central Science Workshop.

The postgraduate programmes offered by the College are under the following categories:

- a. Postgraduate Diploma
- b. Master of Science by coursework and dissertation
- c. Master of Science by thesis
- d. Doctor of Philosophy (PhD) by coursework and dissertation
- e. Doctor of Philosophy (PhD) by thesis

POSTGRADUATE PROGRAMMES OFFERED BY CoNAS

The following postgraduate programmes are offered by CoNAS:

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs)	Non Tanzanian (US\$)
Postgraduate Diploma in Scientific Computing (PGDSC)	Coursework and Report	Evening	12 months	2,125,000	4,020
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	Fulltime	24 months	4,250,000	8,040
Master of Science in Biochemistry	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040
Master of Science in Applied Botany	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040
Master of Science in Physics	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040
Master of Science with Education	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs)	Non Tanzanian (US\$)
Master of Science in in Mathematical Modelling	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040
Master of Science in Mathematics	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040
Master of Science in Biodiversity Conservation	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040
Master of Science in Applied Zoology	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040
Master of Science in Petroleum Geology	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040
Master of Science in Geology	Thesis	Fulltime	24 months	4,250,000	8,040
Master of Science in Biotechnology	Thesis	Fulltime	24 months	4,250,000	8,040
Master of Science in Microbiology	Thesis	Fulltime	24 months	4,250,000	8,040
Master of Science in Molecular Biology	Thesis	Fulltime	24 months	4,250,000	8,040
Master of Science in Molecular Biology and Biotechnology	Thesis	Fulltime	24 months	4,250,000	8,040
Master of Science in Chemistry	Thesis	Fulltime	24 months	4,250,000	8,040
Master of Science in Physics	Thesis	Fulltime	24 months	4,250,000	8,040
Doctor of Philosophy (PhD) in Environmental Sciences	Coursework and Dissertation	Fulltime	48 months	2,500,000 per year	8,040
Doctor of Philosophy (PhD) in Mathematics	Coursework and Dissertation	Fulltime	48 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Molecular Biosciences	Coursework and Dissertation	Fulltime	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
Doctor of Philosophy (PhD) in Microbiology	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 (TShs)	Non Tanzanian (US\$)
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 Geology	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

Examinations and Assessment

The General University of Dar es Salaam and the College of Natural and Applied Sciences examination regulations governing the award of postgraduate programmes shall be applied.

POSTGRADUATE DIPLOMA IN SCIENTIFIC COMPUTING

Minimum Entry Requirement

To be eligible for admission, a candidate must possess at least a Bachelor's degree or Advanced Diploma or its equivalent from a recognized University or Institution of Higher Learning.

Duration: Twelve months with two intakes: 1st April and 1st October every year

Objective of the Programme

To help prepare prospective technicians and programmers in the field of:-

GROUP I – Scientists I

Graduates in Engineering, Mathematics, Physics, Statistics, Geology and related fields.

GROUP II – Scientists II

Graduates in the fields of Chemistry, Biological Sciences, Agriculture, Medicine, Pharmacy, Dentistry and related fields.

GROUP III – Business

Graduates in Economics, Commerce and Management, and Business-related fields.

GROUP IV – Liberal Artists

Graduates in Arts, Social Sciences and related fields.

GROUP V – Lawyers: Graduates in Law**Time and Course Structure**

Evening programme, from 4:00 p.m. to 8:00 p.m. Monday to Friday, and 8:00 a.m. to 12:00 noon on Saturday. Due to different students' background, the program is divided into five groups stated above.

Course coding

All courses are categorized in 7 areas namely:

- Area 1: Software Systems
- Area 2: Programming languages
- Area 3: Mathematics
- Area 4: Business
- Area 5: Computer Applications
- Area 6: Expert Systems
- Area 7: Final Project

All courses start with two letters MT followed by three digits. MT stands for courses in the Mathematics Department. The first digit: 5 stands for a course at postgraduate diploma level. The second digit starting from 1 represents the number of the courses in the area. The last digit represents the area in which the course belongs.

The summary of all the courses:

Courses in Area 1: Software Systems Total 72 Credits

Code	Course Title	Credits
MT511	Systems Software	12
MT521	Data Communication and Networking	12
MT531	Data Management	12
MT541	Computer Graphics	12
MT551	Systems Analysis and Design	12
MT561	Advanced Computer Graphics	12

Courses in Area 2: Computer Programming Total 60 Credits

Code	Course Title	Credits
MT512	Program Design	12
MT522	Programming with C++	12
MT532	Advanced Programming with C++	12
MT542	Programming in Pascal	12
MT552	Programming in Cobol	12

Courses in Area 3: Mathematics Total 80 Credits

Code	Course Title	Credits
MT 513	Mathematics	12
MT 523	Statistics and Probability	12
MT 533	Biostatistics	16
MT 543	Quantitative Methods	12
MT 553	Computational Techniques I	16
MT 563	Computational Techniques II	12

Courses in Area 4: Business Total 32 Credits

Code	Course Title	Credits
MT514	Human Communication and Information Systems	16
MT524	Accountancy	8
MT534	Business Environment	8

Courses in Area 5: Computer Applications Total 24 Credits

Code	Course Title	Credits
MT515	Computer Applications I	12
MT525	Computer Applications II	12
MT557	Network and System Management in NT environment	8
MT558	Network design and administration in Linux Environment	8
MT559	Management and Exploitation of Network Resources	8
MT560	Computer Aided Administration	8

Courses in Area 6: Expert Systems Total 72 Credits

Code	Course Title	Credits
MT516	Concepts of CAD/CAM	12
MT526	Business Computer Applications	20
MT536	Scheduling	8
MT545	Dynamic Databases	8
MT556	Computational Linguistics	12
MT566	Knowledge-Based Systems	12

Course in Area 7: Final project Total 24 Credits

Code	Course Title	Credits
MT517	Project	24

Part I: Core Courses for all

All students registered in the programme have to take the following core courses:

Code	Course Title	Credits
MT514	Human Communication and Information System	16
MT512	Program Design	12
MT511	Systems Software	12
MT521	Data Communication and Networking	12
MT531	Data Management	12
MT515	Computer Applications I	12
	Total	76

Part II: Core courses per specialization:**Group I: Scientist I**

Code	Course Title	Credits
MT524	Accountancy	8
MT534	Business Environment	8
MT516	Concepts of CAD/CAM	12
MT553	Computational techniques I	16
	Total	44

Group II: Scientist II

Code	Course Title	Credits
MT524	Accountancy	8
MT533	Biostatistics	16
MT534	Business Environment	8
MT566	Knowledge-based Systems	12
	Total	44

Group III: Business Graduates

Code	Course Title	Credits
MT513	Mathematics	12
MT523	Statistics and Probability	12
MT526	Business Computer Applications	20
	Total	44

Group IV: Liberal Artists

Code	Course Title	Credits
MT524	Accountancy	8
MT536	Scheduling	8
MT534	Business Environment	8
MT541	Computer Graphics	20
	Total	44

Group V: Lawyers

Code	Course Title	Credits
MT524	Accountancy	8
MT534	Business Environment	8
MT525	Computer Applications II	12
MT536	Scheduling	8
MT546	Dynamic Databases	8
	Total	44

Part III: Optional Courses

Students should select at least nine units from the optional courses with guidance from the project supervisor.

Code	Course Title	Credits
MT522	Programming in C++	12
MT532	Advanced Programming in C++	12
MT558	Network design & Administration in Linux Environment	8
MT542	Programming in Pascal	12
MT552	Programming in COBOL	12
MT551	Systems Analysis and Design	12
MT541	Computer Graphics	12
MT563	Computational techniques II	12
MT543	Quantitative methods	12
MT561	Advanced Computer graphics	12
MT566	Knowledge Based Systems	12
MT557	Network Systems Management in NT Environment	8
MT559	Management & Exploitation of Network Resources	8
MT560	Computer Aided Administration	8

Part IV: Project

Code	Course Title	Credits
MT517	Project	24

After completing Part I, II and III, students are required to write a report, which is based on project work. Each student will be encouraged to give suggestions on the type and nature of problem he/she is interested to solve. Students with previous working experience in any industry will be encouraged to delve in issues, which provide solutions to real problems existing in their work places provided they get approval of the Department and the employer.

Minimum number of Credits Required

Student must take at least the following units in each of the four programme parts;

PART	Details	Credits
Part I	Core courses for all students	76
Part II	Core courses per specialization	44
Part III	Optional courses	36
Part IV	Project Dissertation	24
	Total	180

POSTGRADUATE DIPLOMA IN METEOROLOGY

Minimum Entry Requirement

Advanced diploma (or equivalent) or Bachelor degree in Science (with emphasis in Physics, Mathematics, Geography, Engineering or Environmental Science) from a recognized institution of higher learning. Candidates with equivalent qualifications must also possess at least secondary school certificates with three credit passes.

Duration: 1 year, 2 semesters.

Programme Status: Part time (Evening)

Objective of the Programme

Advanced knowledge in meteorology and its application in solving practical problems are paramount to the development of any country.

The specific objectives are:

- ◆ To enroll science and engineering graduates into the field of meteorology to meet the national demand for qualified meteorologists.
- ◆ To advance meteorology in the country by producing postgraduates with proficiency in theoretical and practical aspects of the field.
- ◆ To produce postgraduates with the potential to pursue Master degree programme (MSc.) in areas relevant to the economy of meteorology.

Semester Mapping of Courses

Listed below are the course matrices showing core and elective courses taken by each stream in semester I and II. A student will be required to elect one course from the elective list to complete 60 credits in Semester I. A student can also elect one more course in each semester. In order to graduate with Postgraduate Diploma in Meteorology a minimum of 120 credits is required.

Core courses

Year	Semester	Course Code and Title	Credits	Total Credits
1	I	MO 502: Remote Sensing	12	48
		MO 503: Introduction to Tropical Meteorology	12	
		MO 505: Dynamic Meteorology	12	
		PH519: Atmospheric Physics	12	
	II	MO506: Fundamentals of Numerical Weather Prediction	12	60
		MO 501: Weather Forecasting	12	
		MO 509: Synoptic Meteorology	12	
		MO 510: Global Climate Change	12	
		MO 514: Project	12	
TOTAL			108	108

Optional courses

Year	Semester	Course Code and Title	Credits	Total Credits
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1	I	MO 513: Boundary layer and Air pollution	12	24
		MO 504: Introduction to Marine Meteorology	12	
	II	MO 511: Aviation Meteorology	12	24
		MO 512: Agrometeorology	12	
TOTAL			48	48

MASTERS PROGRAMMES

All departments in the college offer Masters Degrees by thesis. In addition, the following master programmes are offered by coursework and dissertation;

MASTER OF SCIENCE BY THESIS

CoNAS offers a Master of Science by Thesis in all the major fields of specialization.

1. Entry Requirements

- 1.1 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 recognized institution.

2. Programme Structure

- 2.1 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).
- 2.2 Registration for the programme shall be at any time during the Academic Year. The registration shall be renewed annually.
- 2.3 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.
- 2.4 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).
- 2.5 The proposal shall not exceed 20 pages in length, typed in at least 12-point font and double-spaced line.
- 2.6 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.
- 2.7 Further guidelines are as contained in the UDSM Postgraduate Guidelines

MASTER OF SCIENCE BY COURSEWORK AND DISSERTATION

CoNAS offers master degree programmes in all present specializations by coursework and dissertation.

Entry Requirements

1. The minimum qualification for admission to any of the Master degree programmes offered by CoNAS is a lower secondclass Bachelor of Science degree in a corresponding field of Science from University of Dar es Salaam (UDSM) or any other recognised institution.
2. The Admission Board will also consider applicants, with any other equivalent qualification not mentioned above, subject to the Senate approval.

Structure of Programmes

1. The programmes shall comprise of coursework and dissertation. Fulltime students shall complete their coursework within the first 2 semesters of enrolment.
2. Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment.
3. The minimum time for the dissertation phase shall be 12 months.
4. The credit system shall be used to gauge the workload involved in a programme.
5. One credit is equal to learning outcomes achievable in 15 hours of learning time determined on the basis of a learner with an average learning speed.
6. 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
7. A department offering a programme shall specify the field of specialization and the minimum coursework credits from core and elective courses for a particular specialized field. Certain core courses may be compulsory.
8. 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.

Assessment

1. Each course module shall be offered and assessed in the same semester and a grade awarded.
2. A department offering a master's programme shall specify the field of specialization and the minimum coursework credits from core and elective courses for a particular specialized field.
3. With the approval of the respective 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 College Board in accordance to the Univeristy Qualification Framework set by the Tanzania Comission for Univeristiers (TCU).
4. The average pass grade for all postgraduate courses must be at least "B."
5. A candidate whose GPA is below 2.7 shall be discontinued from the programme.
6. A candidate whose overall GPA is 2.7 or above, shall be allowed to do supplementary examinations in the failed courses.
7. The maximum grade that can be attained from a supplementary examination shall be "B".
8. 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 40%. The form of assessment shall be specified by respective instructors at the beginning of the course.
9. For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal.
10. University guidelines on the preparation of Dissertations/Thesis shall apply.

MASTER OF SCIENCE IN APPLIED ZOOLOGY

Programme Structure

The MSc. Applied Zoology is a taught programme comprising of course-work and dissertation. It shall run for twenty-four months (2 years) for full time students and 3 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. Course-work 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 of 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 optional courses.

Entry Qualifications

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 a first degree in Biology, Zoology and related disciplines such as Veterinary Medicine, Animal Science, Biotechnology, Microbiology, Public Health and Biochemistry. Applicants who lack some prerequisite subjects will be required to undertake recommended courses at undergraduate level. This will be determined upon inspection of the candidates' previous training and experience.

COMMON CORE COURSES

Code	Course Title	Credits	Semester
ZL 602	Biochemistry	12	I
BL 607	Biostatistics	12	
BL 617	Molecular Biology	12	
SC 601	Advanced Research Methods	12	II
BL 662	Biological methods and techniques	12	
	Total	60	

Core Courses for Entomology and Parasitology Stream

Code	Course Title	Credits	
ZL 616	Insect Ecology, Pest and Vector Management	12	I
ZL 604	Protozoology and Helminthology	12	

Optional Courses for Entomology and Parasitology Stream

Code	Course Title	Credits	Semester
ZL 617	Insect Physiology	12	I
ZL 618	Immunology of Parasitic Infection	12	
ZL 618	Immunology	12	
ZL 623	Molecular Biology of Parasites	12	II
ZL 619	Biology and control of Non-Insect Pests	12	
ZL 620	Vector Biology and Control	12	
ZL 608	Bioinformatics	12	
WE 662	Wildlife Diseases and Parasitology	8	

Core Courses for Applied Physiology Stream

Code	Course Title	Credits	Semester
ZL 611	Molecular Physiology	12	I
ZL 612	Animal Reproductive Physiology	12	

Optional Courses for Applied Physiology Stream

Code	Course Title	Credits	Semester
ZL 610	Metabolism and Bioenergetics	12	I
ZL 624	Neuroendocrinology and Behaviour	12	
ZL 625	Physiology and Biochemistry of Nutrition	12	
ZL 626	Biochemical Toxicology	12	
ZL 614	Reproductive Endocrinology	12	II
ZL 628	Stress Physiology	12	
ZL 629	Reproduction and the Environment	12	
ZL 630	Physiology and the Environment	12	

Year 2

Code	Course Title	Credits	Semester
ZL 699	Dissertation	60	I & II

MASTER OF SCIENCE IN BIODIVERSITY CONSERVATION

The programme targets professionals who are working in biological related fields and intends to equip them with the biodiversity knowledge and conservation tools in order that they can work more professionally and confidently.

Year 1

Core courses

Code	Course Title	Credits	Semester
BC 600	Fundamentals of Biodiversity Conservation	8	I
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	II
BC 607	Diversity and Conservation of African Biomes	8	
BC 608	Vertebrate Diversity and Conservation	12	
BC 610	Biodiversity Research Methods and Monitoring	12	
BC 611	Fire and Biodiversity	8	
	Total	96	

Optional courses

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

Code	Course Title	Credits	Semester
BC 699	Dissertation	60	I & II

MASTER OF SCIENCE IN APPLIED BOTANY

Programme Description

The MSc. degree in Applied Botany is a two-year taught programme comprising of course work and dissertation. This programme intends to cater for local and international students who wish to develop their career in Applied Botany.

Programme Structure

The programme is offered in the mode of course-work and dissertation and the duration shall be 2 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).

Entry qualification

Admission into the programme is in accordance with the University of Dar es Salaam regulations regarding postgraduate studies. Candidates applying for the MSc. (in Applied Botany) programme shall hold BSc. or BSc. (Ed.) degrees from recognized institutions which offer botanical sciences or equivalent qualifications.

List of Courses

Year 1

Core Courses

Code	Course Title	Credits	Semester
BT 601	Advanced Plant and Fungal Systematics	12	I
BT 608	Plant Propagation	12	
BT 609	Applied Ecology and Management of Ecosystems	12	
SC 601	Advanced Research Methods	12	
BT 603	Seaweed Culture and Processing	12	II
BT 604	Applied Plant Genetics	12	
BT 605	Plant Protection	12	
BT 608	Plant Propagation	12	
	Total	96	

Optional Courses

Code	Course Title	Credits	Semester
BT 607	Ecophysiology	12	I
BT 612	Plant Biochemistry	12	
BC 602	Conservation of Plant Diversity	12	
BC 612	Legislation and Policies in Biodiversity Conservation	8	
BL 617	Molecular Biology	12	
BT 610	Ethnobotany	12	II
BT 611	Advanced Economic Botany	12	
BC 617	Restoration Ecology	8	
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

Code	Course Title	Credits	Semester
BT 699	Dissertation	60	I & II

MASTER OF SCIENCE IN APPLIED SCIENCE OF MATERIALS

Programme Description

The overall goal of the MSc. in Applied Science of Materials by course-work and dissertation programme is 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 in the public and private sectors for a technology-based economy.

Programme Structure

The program requires that a student must 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, 72 credits will be attained from the prescribed core courses and the rest are accumulated from optional courses.

Year 1

Core Courses

Code	Course Title	Credits	Semester
CH 621	Metallurgy	12	I
CH 623	Heterogeneous equilibria and phase diagrams	12	
CH 622	Organic Chemicals of Industrial, Agricultural and Medicinal Applications.	12	

CH 630	Advanced Analytical Chemistry and Instrumentation	12	II
*SC 601	Advanced Research Methods	12	
CH 620	Good Laboratory Practice and Quality Assurance	12	
	Total	72	

Optional Courses

Code	Course Title	Credits	Semester
CH 610	Surface and Colloid Chemistry	8	I
*CH 331	Chemometrics	8	
CH 614	Molecular Imprinting Technology	12	
CH 615	Raw Materials for Industries and their Processing	12	
CH 624	Sustainable Energy Materials	12	II
PD 631	Corrosion and Corrosion Control	12	
PH 635	Nanotechnology	12	
CH 613	Advanced Environmental Chemistry	8	
CH 618	Structure and Properties of Polymers	12	
*MK 301	Small Business and Entrepreneurship	8	

Year 2

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 they did not take those courses during their undergraduate programmes.

MASTER OF SCIENCE IN PHYSICS

The overall goal of the Programme is to produce human capacity in Physics that is needed to create technology-based economy.

Core Courses

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	
PH 617	Quantum mechanics	12	II
PH 618	Condensed Matter Physics	12	
PH 619	Nuclear Physics and instrumentation	12	
	Total	96	

Optional Courses: Choose at least 24 Credits from one of the streams

Stream (a)

Code	Course Title	Credits	Semester
PH 620	Aerosol Physics	12	II
PH 621	Atmospheric dispersion and air quality modeling	12	
PH 622	Atmospheric boundary layer and turbulence	12	
PH 623	Physics of sustainable electricity generation	12	

Stream (b)

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)

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)

Code	Course Title	Credits	Semester
PH 630	Introduction to nanoelectronics and nanoscale materials	12	II
PH 635	Nanotechnology	12	

Year 2

Code	Course Title	Credits	Semester
PH 699	Dissertation	60	I&II

MASTER OF SCIENCE IN MATHEMATICAL MODELLING

This is a regional programme in mathematical modelling and designed to train staff in higher education and researchers from the industry. The programme consists of coursework and dissertation. Minimum credits required 120 for the coursework part. The coursework covers two semesters (one year), followed by one year of dissertation (60 credits).

COURSEWORK MAPPINGS

Semester	Course Title	Status	Credits
I	MT 602: Numerical Analysis	Core	12
	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
II	MT 631: Stochastic Differential Equations	Core	12
	MT 683: Partial Differential Equations	Core	12
	MT 604: Optimization Methods of Operations Research	Core	12
	Elective I	Elective	12
	Elective II	Elective	12
	TOTAL		60

Optional Courses

CODE	Semester	CREDITS
MT 601: Advanced Probability Theory	2	12
MT 605: Advanced Linear Algebra	2	12
MT 609: Numerical solution of PDEs	2	12
MT 610: Complex Analysis	2	12
MT 628: Mathematical Finance and Insurance	1	12
MT 640: Numerical Linear Algebra	2	12
MT 643: Statistical Inference	1	12
MT 644: Stochastic Systems	2	12
MT 646: Bayesian Sampling methods	1	12
MT 647: Fourier Analysis	1	12
MT 652: Biomathematics	2	12
MT 659: Measure Theory and Integration	2	12
MT 660: Computer Programming	1	12
MT 664: Graph Theory	1	12
MT 665: Mathematical Packages for Scientific Computations	2	12
MT 672: Fluid Dynamics I	1	12

Year 2: Dissertation

Course Code and Title	Credits
MT 699: Dissertation	60

MASTER OF SCIENCE IN MATHEMATICS

This is a Masters programme in mathematics and is designed to equip learners with wide range of knowledge in mathematics specializations. This programme provides students with a thorough theoretical basis in Mathematics. It consists of 2 semesters of coursework and one year of dissertation.

Any course which is not core and which is not in the student's specialization area core can be taken as an option course.

COURSEWORK MAPPINGS

Semester	Course Code and Title	Status	Credits
I	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
	Elective	Elective	12
	Total		60
II	MT 605: Advanced Linear Algebra	Core	12
	MT 623: Commutative Algebra	Core	12
	MT 653: Topology	Core	12
	Elective – 1	Elective	12
	Elective – 2	Elective	12
	TOTAL		60

Table 8: Electives Courses

CODE	TITLE	Semester	CREDITS
MT 602	Numerical Analysis	1	12
MT 608	Algebraic Geometry	2	12
MT 612	Galois Theory	2	12
MT 610	Complex Analysis	2	12
MT 616	Computational Algebra	1	12
MT 617	Algebraic Topology	2	12
MT 618	Combinatorics	1	12
MT 625	Logic and Set Theory	1	12
MT632	Algebra: Group and Ring theories	2	12
MT 647	Fourier Analysis	1	12
MT 649	Number Theory and Cryptography	1	12
MT 659	Measure Theory and Integration	2	12
MT 660	Computer Programming	1	12
MT 664	Graph Theory	1	12
MT 665	Mathematical Packages for Scientific Computations	2	12

MT 683	Partial Differential Equations (PDEs)	II	12
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Year 2: Dissertation

Code	Course Title	Credits	Semester
MT 699	Dissertation	60	I&II

MASTER OF SCIENCE IN CHEMISTRY

The Master of Science in chemistry 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 optional courses. The lists of recommended core and optional courses are as follows.

Year 1

Core Courses

Course Code	Course Title	Credits	Semester
CH 617	Advanced Thermodynamics	12	I
CH 609	Chemical Speciation	8	
CH 606	Coordination Chemistry	12	
CH 607	Advanced Physical Organic Chemistry	12	
CH 608	Advances in Organic Synthesis	12	II
CH 630	Advanced Analytical Chemistry and Instrumentation	12	
CH 603	Solid State Chemistry	12	
CH 613	Advanced Environmental Chemistry	8	

Optional 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 they did not take those courses in their undergraduate programs.

Year 2

Course Code	Course Title	Credits
CH 699	Dissertation	60

MASTER OF SCIENCE IN BIOCHEMISTRY

The MSc. (Biochemistry) is a two-year full time programme comprising of course-work and dissertation. It is intended for graduates who wish to enter into research, teaching, scientific laboratory management and careers in biochemistry, biotechnology, pharmaceutical industry, public health, agriculture and related fields. Eligible applicants must have a 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.

The programme focus 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. Graduates, who can contribute to the improvement of industrial productivity, reduce diseases burden and able to solve environmental problems by designing new and innovative approaches.

The program requires a student to complete a minimum of 120 credits of coursework, of which, 96 credits are prescribed core courses and the rest are accumulated from optional courses. The programme comprises of 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. The lists of recommended core and optional courses are tabulated.

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	I
CH 659	Food and Nutrition Biochemistry	12	
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 Optional 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
CH 699	Dissertation	60

MASTER OF SCIENCE WITH EDUCATION (MSc. ED)

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 one's professional career as a science teacher. In order to cater for the large number of science teachers, the programme will be offered in the mode of course-work and dissertation and the duration shall be two years, on a full-time basis and three years on part-time basis. The course-work programme component consists of science discipline-based and education courses. A candidate shall major in only one science (or mathematics) subject.

Entry qualifications

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 B.Ed. (Science) degrees from a recognized 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.

Assessment and examination

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.

Programme Structure

The MSc. (Ed.) is a taught programme comprising of course-work and dissertation and the duration shall be twenty-four months (2 years) for full-time students and thirty-six months (3 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 of 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 optional courses are as follows:

Education Courses

Core Courses

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	

Optional Courses

Code	Course Title	Credits	Semester
CT 600	Curriculum and Teaching	12	I
CT 604	Assessment of performance in SMT	12	II
CT 603	Professional Development in SMT	12	
EA 607	Management of Education Systems and Institutions	24	

Biology Stream

Core Courses

Code	Course Title	Credits	Credits
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	

Optional Courses

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

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	

Optional Courses

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

Code	Course Title	Credits	Semester
MT 641	Advanced Mathematical Statistics	12	I
MT 662	Techniques in Operations Research	12	
MT 602	Numerical Analysis	12	II
MT 605	Advanced Linear Algebra	12	
MT 663	Ordinary Differential Equations I	12	
MT 699	Dissertation	60	
Total Core Units		120	

Optional Courses

Code	Course Title	Credits
MT 601	Advanced Probability Theory	12
MT608	Algebraic Geometry	12
MT 610	Complex Analysis	12
MT 657	Methods of Mechanics	12
MT 660	Computer Applications and Programming	12

Physics Stream

Core Courses

Code	Course Title	Credits	Semester
PH 611	Electrodynamics	12	I
PH 613	Electronics	12	
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	

Optional Courses

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 modeling	12
PH 623	Physics of sustainable electricity generation	12
PH 625	Nuclear techniques and applications	12

MASTER OF SCIENCE IN PETROLEUM GEOLOGY

The programme is a 2-year post-graduate programme leading to the award of MSc. in Petroleum Geology. The MSc. (Petroleum Geology) 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. In order to cater for the large number of geologists in the emerging oil and gas sector in the country and the region, the programme is offered in the mode of course-work and dissertation and the duration shall be two years, on a full-time basis.

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	

Optional 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

MASTER PROGRAMMES BY THESIS

- MSc. (Applied Microbiology)
- MSc. (Applied Zoology)
- MSc. (Biotechnology)
- MSc. (Botany)
- MSc. (Molecular Biology)

- MSc. (Mathematics)
- MSc. (Physics)
- MSc. (Chemistry)
- MSc. (Geology)
- MSc. (Zoology)
- MSc. (Wildlife Ecology)

DOCTOR OF PHILOSOPHY (Ph.D) PROGRAMMES

All departments offer PhD programmes by Thesis.

DOCTOR OF PHILOSOPHY (PH.D) BY THESIS

CoNAS offers Doctor of Philosophy degree in all the major fields of Science specialization.

1. Entry Requirements

- 1.1 A candidate for admission to the PhD degree programme in the CoNAS must hold a relevant Masters degree of the University of Dar es Salaam or of any other recognized Institution.
- 1.2 Candidates who possess a relevant First Class in Bachelor of Science may be considered for Ph.D 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 HDRPC and authorization by Senate.

2. Programme Structure

- 2.1 The programme involves a minimum of three years for full-time candidates, or five years for part-time registered candidates.
- 2.2 The procedure for obtaining full registration will be similar to that required for MSc. (Thesis) as stipulated in sections 2.2 to 2.13 above, with the following variations: the proposal shall not exceed 25 pages; In 2.8 once it finds the proposal satisfactory, the college HDRP Committee will approve the proposal and notify the SPSC.
- 2.3 The general University regulations for postgraduate studies and specifically for PhD studies govern the conduct of studies in the College.

PhD PROGRAMME BY COURSEWORK AND DISSERTATION

PhD IN ENVIRONMENTAL SCIENCES

Programme Description

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.

Programme Structure

This is a taught PhD programme in Environmental Sciences that shall run for a maximum of 4 years and 6 years for full time and part-time, respectively. Full time students will be required to complete coursework within 2 semesters while part time students will be required to complete their coursework within 4 semesters. To cater for its multi-disciplinary nature, the programme will comprise of three streams namely:

Stream A: Biological Sciences

Stream B: Physical Sciences

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 electives, other stream core courses and/or other relevant PhD programmes upon approval by CoNAS. Each course will have 18 credits.

Semester Mapping for Common Core Courses and Core Courses by Stream

Year	Semester	Courses	Credits	Total
		Common Core Courses		
1	I	EV 730: Earth Systems Science	18	36
		EV 731: Environmental Degradation and Conservation	18	
	II	EV 732: Advanced Statistics and Research Methods	18	36
		EV 734: Environmental Law and Policy	18	
		Core Stream A: Biological Sciences		
	I	EV 735: Environmental Bioremediation	18	36
	II	EV 736: Environmental Toxicology	18	
		Core Stream B: Physical Sciences		
1	I	EV 737: Meteorology and Air Quality Models	18	36
	II	EV 738: Environmental Isotope Hydrology	18	
		Core Stream C: Environmental Modelling		
1	I	EV 739: Environmental Mathematical Modeling	18	36
	II	EV 740: Dynamical Systems	18	

Semester Mapping of Optional Courses

Year	Semester	Courses	Credits	Total
1	I	Electives		
		EV 733: Environmental Safety and Policy	18	As required
		EV 741: Climatic Change and the Environment	18	
		EV 743: Numerical Solutions of Differential Equations	18	
		EV 745: Stress Physiology	18	
		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		
	II	Electives		
		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			

PhD IN MATHEMATICS

The programme runs on a full-time basis for a period of 4 years. Coursework is for one year and the dissertation (research part) for three years. Minimum credits required are 180 for the coursework part and 360 credits for the dissertation. The programme is composed of three streams, namely, Pure Mathematics, Applied Mathematics and Mathematical Statistics.

PURE MATHEMATICS STREAM

Year I: Course Mapping for Pure Mathematics Stream

	Code	Title	Status	Credits
Semester I	MT 701	Measure Theory and Integration	Core	18
	MT 702	Advanced Functional Analysis	Core	18
	MT 707	Algebra I	Core	18
		Elective		18
		Elective		18
		Total		90
Semester II	MT 703	Partial Differential Equations	Core	18
	MT 716	Differential Geometry	Core	18
	MT 739	Advanced Topics in Topology	Core	18
		Elective		18
		Elective		18
		Total		90

Optional Courses for Pure Mathematics stream

S/N	CODE	TITLE	CREDITS
1	MT 706	Computational and Research Methods	18
2	MT 711	Harmonic Analysis	18
3	MT 712	Numerical Linear Algebra	18
4	MT 713	Theory of Distributions	18
5	MT 714	Nonlinear Analysis	18
6	MT 715	Operator Theory	18
7	MT 716	Differential Geometry	18
8	MT 717	Algebra II	18
9	MT 718	Algebraic Number Theory	18
10	MT 719	Computational Algebraic Geometry	18
11	MT 720	Representation and Lie Theory	18
12	MT 721	Weyl and Commutative Algebra	18
13	MT 722	Advanced Homological Algebra	18
14	MT 723	Field and Category Theory	18
15	MT 724	Cryptography and Coding Theory	18
16	MT 732	Probabilistic Graphical models	18
17	MT 734	Analytic Number Theory	18
18	MT 735	Elliptic Curves	18
19	MT 736	Diophantine Geometry	18
20	MT 737	Algebraic Geometry	18
21	MT 738	Enumerative Combinatorics	18

22	MT 740	Complex Analysis	18
23	MT 747	Wavelet Theory	18
24	MT 758	Advanced Graph Theory	18
25	MT 759	Probability Methods in Combinatorics	18

APPLIED MATHEMATICS STREAM

Year I: Course mapping for Applied Mathematics

	CODE	TITLE	STATUS	CREDITS
Semester I	MT 701	Measure Theory and Integration	Core	18
	MT 702	Advanced Functional Analysis	Core	18
	MT 705	Techniques of Optimization	Core	18
		Elective		18
		Elective		18
		Total		90
Semester II	MT 703	Partial Differential Equations	Core	18
	MT 746	Numerical Solutions of Differential Equations	Core	18
	MT 741	Stochastic Processes	Core	18
		Elective		18
		Elective		18
		Total		90

Table: Optional Courses for Applied Mathematics stream

S/N	Code	Title	Credits
1	MT 761	Applied Optimization	18
2	MT 706	Computational and Research Methods	18
3	MT 708	Control Theory	18
4	MT 709	Convex Optimization	18
5	MT 710	Large Scale Optimization	18
6	MT 740	Complex Analysis	18
7	MT 745	Hydrodynamic Stability Theory	18
8	MT 712	Numerical Linear Algebra	18
9	MT 747	Wavelet Theory	18
10	MT 749	Dynamical Systems	18
11	MT 750	Mathematical Epidemiology	18
12	MT 751	Mathematical Ecology	18
13	MT 752	Mathematical Immunology	18
14	MT 753	Mathematical Physiology	18
15	MT 754	Applied Bioinformatics	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 760	Advance Fluid Dynamics	18

Mathematical Statistics Stream

Table 9: Year I: Course mapping for the Mathematical Statistics Stream

	Code	Title	Status	Credits
Semester I	MT 701	Measure Theory and Integration	Core	18
	MT 702	Advanced Functional Analysis	Core	18
	MT 704	Probability and Statistics	Core	18
		Elective		18
		Elective		18
		Total		90
Semester II	MT 703	Partial Differential Equations	Core	18
	MT 743	Advanced Statistical Inference	Core	18
	MT 748	Bayesian Methods for Data Analysis	Core	18
		Elective		18
		Elective		18
		Total		90

Table: Optional Courses for Mathematical Statistics stream

S/N	code	title	credits
1	MT 706	Computational and Research Methods	18
2	MT 710	Large Scale Optimization	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
13	MT 743	Advanced Statistical Inference	18
14	MT 744	Advanced Probability Theory	18
15	MT 748	Bayesian Methods for Data Analysis	18
16	MT 755	Fuzzy sets and Fuzzy Logic	18
17	MT 756	Fuzzy Engineering	18
18	MT 757	Fuzzy data Analysis	18

PHD IN MOLECULAR BOISCIENCES

Programme Objectives

The PhD in Molecular Biosciences (PhD-MB) taught (course work and dissertation) 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. 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; Expanding student knowledge and skills in molecular biosciences in the sub-fields of genomics, bioinformatics, biomedical sciences, microbiology and other related fields; Offering graduates entrepreneurial skills

that will enable them venture into commercial biotechnological projects. The programme is composed of common core courses and common elective courses. In addition, it avails students with opportunity to specialize in one of the three streams/specialties namely; Genomics and Bioinformatics, Biomedical Sciences and Molecular Microbiology. Each stream/specialty is made of core courses and elective courses.

Duration

The PhD in Molecular Biosciences programme runs for 48 months (Four years); divided into 12 months of course work and 36 months of dissertation.

Entry Requirements

Applicants must be holders of a Masters degree (M.Sc. in Molecular Biology, Biochemistry, Biotechnology, Applied Microbiology, Medicine, Pharmacy, Systems Biology, Computational Biology, Bioinformatics, and Biological Sciences in related fields) or an equivalent Masters degree from a higher learning Institution recognized by Tanzania Commission for Universities (TCU).

Programme status and Mode of Delivery

PhD in Molecular Biosciences is a full time programme offered by the Department of Molecular Biology and Biotechnology, College of Natural and Applied Sciences of the University of Dar es Salaam, offered by face-to-face and mixed mode of delivery (Lectures, tutorials, laboratory rotations, graduate seminars, practicals, independent study). The programme is structured into. 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.

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 OPTIONAL ONES FOR EACH STREAM

1. BIOINFORMATICS STREAM

Core Courses for Genomics and Bioinformatics stream

Course Code	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

Optional Courses for Genomics and Bioinformatics stream

Course code	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	Title	Credits
BN 711	Principles of Epidemiology	20
BN 717	Receptor pharmacology	20
BN 713	Vaccinology and Immunotherapy	20
BN 714	Vector control	20

Course Code	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

Optional Courses for Biomedical Sciences stream

3. MOLECULAR MICROBIOLOGY STREAM

Core courses and Optional 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

Optional Courses for Microbiology stream

Course Code	Title	Credits
BN 722	Biosystematics	20
BN 704	Bioinformatics	20

Common Optional Courses for all stream

Course Code	Title	Credits
BL 607	Biostatistics	24
BN 710	Entrepreneurship in biosciences	24

CoNAS STAFF LIST

Office of the Principal
Associate Professor and Principal
T. J. Lyimo, BSc, MSc, PhD (Dar)

Senior Lecturer and Deputy Principal
S. S. Nyandoro, BSc. Ed (Dar), MSc (Dar), PhD (Dar)

Principal Administrative Officer II
O. Sawuka, BCom. (Dar), MBA (Bot), MSc (Frankfurt)

Department of Botany

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A. S. Buriyo, BSc, MSc, PhD (Dar)

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***F. I. Tibazarwa, BScEd, MSc (Dar), PhD (Nijmegen)
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G. Frederk, BScEd, MSc, PhD (Dar)
G. Sangu, BScEd, MSc, PhD (Dar)
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S. Nnungu, BSc, MSc (Dar), PhD (Nsukka, Nigeria)
C. A. Joseph, BSc (SUA), MSc, PhD (Huazhong Agricultural University, China)
H.N. Moshi, BScEd, MSc, PhD (Dar)
S. Mwansasu, B.Sc., M.Sc. [Forest Engineering] (Pina Sel Rio Cuba), PhD (Stockholm) E. Sangu,
BScEd, MSc (Dar) PhD (CAAS, China)

Assistant Lecturers
I. Yangaza BSc, MSc (Dar)
D. C. Simiyu, BSc (Mwenge), MSc (Dar)

Tutorial Assistants
S. M. Sanga, BSc (Dar)
F. M. Joachim, BSc (Dar)

Secretary
E. P. Bigere

Chief Technician
F. Mbago, Cert.For (Olmotonyi), Int.Dip. in Herbarium Tech. (RBG Kew, UK). Cert in Herbarium
Curation (MSB, USA)
Principal Technician II
C. Kweyunga, Higher Diploma (C&G, London), Laboratory Instr. (UK), Cert. in Chemical Analysis
(Sweden)
A. P. Kuratha, BScEd, MSc (Ed), MSc (Biod Conserv.), (Dar)

Senior Laboratory Technician II

E. Alphonse, BSc, MSc (Dar)

Senior Laboratory Technician III

P. B. Fidelis, Cert.Instr. (DIT)

Laboratory Technician I

B. A. Manumbu, Cert. Lab. Tech. (DIT)

W. K. Kalugasha Cert. Lab. Tech. (DIT)

Laboratory Assistant II

B. Haule, Cert. Lab. Tech. (VETA, Dar)

***On leave without pay

Chemistry Department

Senior Lecturer and Head

K. F. Kilulya, BScEd, MSc (Dar), PhD (UJ)

Professors

M. H. H. Nkunya, BSc, MSc, PhD (Dar),

Associate Professors

G. S. Mhinzi, BSc, MSc (Dar), PhD (Salford)

E. H. J. Lugwisha, BScEd (Dar), MSc, PhD (East Anglia)

***J. E. G. Mdoe, BScEd, MSc (Dar), PhD (York)

***J. Buchweishaija, DipEd (Mkwawa), BSc (Dar), MSc, PhD (Trondheim)

J. A. M. Mahugija, BScEd, MSc, PhD (Dar)

Senior Lecturers

F. N. Ngassapa, MSc, PhD (Moscow)

Y. M. M. Makame, BSc (Dar), MSc, PhD (Trondheim)

S. S. Nyandoro, BScEd, MSc, PhD (Dar)

Q. A. Mgani, BScEd, MSc (Dar), PhD (New Mexico)

A. S. Mwakaboko, BSc, MSc (Dar), PhD (Nijmegen)

J. Y. N. Phillip, DipEd (Mkwawa), BEd (Sc.), MSc (Dar), Lic. Eng. (Lund) PhD (Dar)

***C. C. Joseph, BScEd, MSc (Dar), PhD (Nijmegen)

***L. D. Akwilapo, DipEd (Mkwawa) BScEd, MSc (Dar), PhD (Trondheim)

K. F. Kilulya, BScEd, MSc (Dar), PhD (UJ)

J. J. E. Munissi, BSc, MSc, PhD (Dar)

G. Kinunda, BScEd, MSc (Dar), PhD (UKZN)

Lecturers

C. A. Mgina, BSc, MSc (Dar), PhD (Nijmegen)

R. Peter, BSc (Dar), MSc (UB), PhD (New Mexico)

M. M. Ndoile, BScEd, MSc (Dar), PhD (UKZN)

F. Lyatuu, BSc (Gen), (Dar), MSc (Newcastle), PhD (Marburg)

F. Jacob, BScEd (Dar), MSc (AIST-Abuja), PhD (NM-AIST)

E. Mapunda BSc, MSc (Dar), PhD (UniSA, South Africa)

Assistant Lecturers

- *N. Komba, DipEd (Monduli), BScEd, MSc (Dar)
- *G. Deogratus, BScEd, MSc (Dar)
- *M. M. Madirisha BScEd (DUCE), MSc (Nairobi)
- *G.B. Shombe, BScChem, MSc (Dar)
- *E. Xwaymay, BScChem, MSc. (Dar), MSc (Aberdeen)
- *H. Kahimbi, BScEd (MUCE), MSc (KNU, Korea)
- *N.A. Kasimu, BScEd (Dar), MSc (Aberdeen)

Tutorial Assistant

Chief Laboratory Scientists

- F. Sung'hwa, FTC (DIT), BSc, MSc (Dar), PhD (Nijmegen)
- L. Mwamtobe, DipEd (Mkwawa), BScEd, MSc (Dar)
- S. Masoud, BSc, MSc (Moscow)
- L. Illomo, DipEd (Mkwawa), BSc, MSc (Dar). PhD (Dar)

Principal Laboratory Scientist

- G. S. Malisa, (C&G, London), AdvDipAnalChem (IST, Manchester), PGDScComp (Dar)

Laboratory Scientist I

- P. Godfrey, BScEd, MSc. (Dar)
- *R. Irunde, BScEd, MSc (Dar)
- E. Wantahe, BSc Chem, (UDSM)

Laboratory Scientist II

Chief Technicians

- B. Sindatuma, FTC (DIT)
- J. Peter, FTC (Rwegarulila Water Resources Institute)
- D. L. Mwansasu, FTC (DIT) Glass Blowing (UK)

Principal Technicians I

- E. Fredrick, FTC (Rwegarulila Water Resources Institute)

Laboratory Assistants I

- T. R. Mlawa, Laboratory Assistant Grade I
- S. Zuberi, Laboratory Assistant Grade I

***On leave of absence (secondment)

*On study leave

Department of Geology

Lecturer and Ag. Head

- E. E. Mshiu, BSc, MSc (Dar), PhD (Martin Luther)

Professors

- M. A. H. Maboko, BSc, MSc (Dar), PhD (ANU)
- J. R. Ikingura, BSc (Dar), MSc, PhD (Carleton)
- ***S. Many, BSc, MSc, PhD (Dar)

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Senior Lecturers

N. Boniface, BSc, MSc (Dar), PhD (Kiel)

K. Charles, BSc, MSc (Dar), PhD (Cape Town)

Lecturers

F. W. Richard, BSc, MSc (Dar), PhD (Uppsala)

G. D. Mulibo BSc, MSc (Dar), PhD (Penny)

E. O. Kazimoto, BSc, MSc (Dar), PhD (Kiel)

E. E. Mshiu, BSc, MSc (Dar), PhD (Martin Luther)

C. Mtelela, BSc, MSc (Dar), PhD (JCU)

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*J. J. Saroni, BSc, MSc (Dar)

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*R. L. Gama, BSc (Dar), MSc (IUEM, UBO)

*E. Mulaya, BSc (Dar), MSc (NTNU)

*J. W. Gama, BSc (Dar), MSc (IFP School)

*E. Kiswaka, BSc (Dar), MSc (NTNU)

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*C. N. Kimani, BSc (Dar)

Chief Laboratory Scientist

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*S. Ngassala, BSc, MSc (Dar)

Chief Technician

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Laboratory Engineer I

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Technician II

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M. Mpimbo, BScEd, MSc (Dar), PhD (Kent State University, USA)

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E. Evarist, BScEd, MSc (UDSM), PhD (UDSM)

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*S. Pitos, BScEd (Dar), MSc (LUT, Finland)

*W. Levens BScEd, MSc (Dar)

*S. Suleiman BScEd, MSc (Dar)

*U. Ngulo, BSc (Ed), MSc (Dar)

*D. Kabuche, BScAct (Dar), MSc (Aberdeen, UK)
L. Shilingi, BScAct (Dar), MSc. (India)
A. Mandia, BScAct (Dar), MSc. (India)
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I. Maduhu, BScAct (UDSM), MSc. (India)
Salvatory Kessy, BSc. (Actuarial) (Dar), Structured MSc. (AIMS)
Tutorial Assistants

--

Principal Technician II
W. Lwiza, AdvDipEng,(DIT), PGDEEICT (Dar)

***On leave of absence (secondment)

**On leave of absence

*On study leave

Department of Molecular Biology and Biotechnology

Lecturer and Head

S. A. A. Kassuwi, BSc (Dar), MSc (Turku, Finland), PhD (Dar)

Professors

A. K. Kivaisi, BSc (Dar), MSc (Stockholm, Sweden), PhD (Dar)

***G. Y. S. Mtui, BSc (Dar), MSc, PhD (Kanazawa, Japan)

***A. M. Mshandete, Dip Ed (Mkwawa), BSc(Ed), MSc, PhD (Dar)

Associate Professors

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S. L. Lyantagaye, BSc, MSc (Dar), PhD (Western Cape, South Africa)

D. D. Tibuhwa, BSc, MSc, PhD (Dar)

Senior Lecturers

***K. M. M. Hosea, BScEd, MSc, PhD (Dar)

Lecturers

A. V. Makene, BSc, MSc, PhD (Dar)

R. Masalu, BSc, MSc, PhD (Dar)

D. G. Maeda BSc (Dar), MSc (Heidelberg, Germany), PhD (Hannover, Germany)

S. A. A. Kassuwi, BSc (Dar), MSc (Turku, Finland), PhD (Dar)

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M.D. Nkundu BSc, MSc (Dar), PhD (Braunschweig, Germany)

C. B. Mpinda BSc (Dar), MSc (MUHAS), PhD (Dar)

Assistant Lecturers

*S. Hamad, BSc, MSc (Dar)

* J. H. Mahamoud B. Sc, MSc (Dar)

*F.N. Mpenda B.Sc (Dar), MSc (NMIST)

*A.D. Mwakilili, B.Sc, MSc (Dar)

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Senior Laboratory Scientist I
P. Raymond, BSc, MSc, PhD (Dar)

Senior Laboratory Scientist II
F. Patrick Kisoka BSc, MSc (Dar)
C. Misanga. BSc (Dar), MSc (Wageningen, Netherlands)
***L. Mwangoka, BSc, MSc (Dar)

Senior Laboratory Scientist III
W. E. Kimaro, BSc, MSc (Dar)

Chief Technicians
W. P. Shimba, FTC (DIT, Dar), BSc (SUA)

Senior Laboratory Technician III
S. Shamte, FTC, B. Sc (DIT, Dar)
J. S. Sulle, FTC (DIT, Dar), BBA, (Dar)

Laboratory Technician I
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K. Shitindi, DipLabTech (WDMI, Dar)
A.A. Mlwisa DipLabTech (DIT, Dar), BSc (SUA)

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**On leave of absence
*On study leave

Department of Physics

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Associate Professor

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N. R. Mlyuka, BSc, MSc, PhD (Dar)

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M. Mazunga, BSc, MSc (Dar), PhD (University of Science and Technology, China)
M. Kumwenda, BSc, MSc (Dar), PhD (Korea)
I. Lugendo, BSc, MSc (Dar), PhD (Korea)
R. Juma, BSc (Dar), MSc (Dar), PhD (China)

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*P. T.S. Limbu, BSc (Dar), MSc (Nanjing University, China)
*L. KIebacho, BSc (Dar), MSc (Nanjing University, China)

*J. J. Tibaijuka, BSc, MSc (Dar)
*M. M. Mtangi, BSc, MSc (Dar)
*E.K. Makula, B. Sc, (Dar), MSc (Nanjing University, China)
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*G.D. Sungi, B. Sc, (Dar)
*Z. Mteweale, BSc (Met.) (Dar)
*E. Shana, BSc (Dar)

Head of Technical Staff and Principal Laboratory Engineer II
M. K. Mtelela, AdvDipEng (DIT)

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Chief Technicians

B. Kazimili, FTC (Arusha)
A. G. Nyenyembe, FTC (Arusha)

Department of Zoology and Wildlife Conservation

Senior Lecturer and Head

F. J. Magige, BSc, MSc (Dar), PhD (NTNU)

Associate Professor

H. B. Pratap, BSc, MSc (Gujarat), PhD (Dar)

Senior Lecturers

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F. M. Urasa, BSc, MSc, PhD (Dar)
F. A. Mturi, BSc PhD (Dar)
C. L. Nahonyo, Dip Wildl. Mgt. (Mweka), BSc, MSc (Dar), PhD (Kent)
M. A. Njau, BSc, MSc, PhD (Dar)
B. A. Nyundo, BSc, MSc, PhD (Dar)
C.W. Nyamkinda, BSc. MSc, PhD (Dar)

Lecturers

J.R. John, BSc (SUA), MSc (Dar) PhD (SNU, Seoul)
F.S. Nyaki, BSc, MSc (Dar), PhD (CAU-Kiel Germany)
W.B. Kidima, BSc, MSc (Dar), PhD (UH-Manoa-Honolulu)
J. V. Katandukila, BSc, MSc (Dar), PhD (Pretoria)
F. D. Chibwana, BSc, MSc, PhD (Dar)
W.N. Mrosso, BSc, MSc, PhD (Dar)
G.D. Mukandala, BSc (Clark), MSc (Memorial University), PhD (Dublin)
E.N. Kalumanga, B.Sc. (SUA), M.Sc. (Dar), PhD (Stockholm)
A.B. Philbert, B. Sc, MSc, PhD (Dar)

Assistant Lecturers

*M.J. Kibaja, BSc, MSc (Dar)
*M.T. Shilereyo, BSc, MSc (SUA)

*Y.J. Chuhila, BSc (Dar), MSc (Nairobi)
*A.B. Ahungu, B. Sc (Dar), MSc (NM-AIST)
*S.E. Temu, BSc, M. Sc, (Dar)
J.V. Lyakurwa, BSc, (Dar), MSc (NM-AIST)
*H.M. Mfaume, BSc, MSc (Dar)
S.F. Ndunguru, BSc, MSc (Dar)
J.L. Kachungwa, BSc, MSc (Dar)

Tutorial Assistants

M. Michael, BSc (CAWM-Mweka)

Chief Laboratory Scientist

J. A. Kyomo, BSc (Dar), MSc (IHE)

Senior Laboratory Scientist III

M.D. Chiduo, BSc, M. Sc (Dar)

S.P. Nzumbi, BSc, M. Sc (Dar)

Senior Technician II

S.M. Mweyo, FTC (DIT), B. Sc (OUT)

Lab Scientist II

S. G. Ackrey, B. Sc (SUA)

Lab Scientist III

M.B. Lisesi, BSc (Dar)

Central Science Workshop

Manager

I. J. Lugendo. BSc, MSc (Dar), PhD (Korea)

Deputy manager

E. Mapunda BSc, MSc (Dar), PhD (UniSA, South Africa)

Chief Technician

S. Musa, FTC (DTC)

A. Ramadhan, FTC (DTC)

Laboratory Technician IV

R. Adolf

INTRODUCTION

The College of Social Sciences has facilities in all departments and teaching units to enable students to undertake advanced work and research under supervision for the M.A. and PhD degrees and for the Postgraduate Diploma of the University of Dar es Salaam.

Purpose and Scope

The College of Social Sciences has an organized uniform structure for postgraduate courses in Economics, Geography, Information Studies, Political Science and Public administration, Sociology and Anthropology, Statistics and Demography, aimed at career development for in-service personnel (including the University's own staff).

The postgraduate studies programmes incorporate all postgraduate teaching being offered by the College's departments under a common administrative structure. Jurisdiction over the degrees to be awarded by thesis alone remains the responsibility of individual academic units.

Aims and Objectives

The aims and objectives of the postgraduate studies programme are:

1. To extend the existing generalized undergraduate studies by offering specialized teaching and instruction at an advanced level to meet Tanzania's immediate professional needs.
2. To create awareness of the problems of society development and a personal commitment to social reconstruction in Tanzania.
3. To encourage an interdisciplinary approach and joint research among all the University's social sciences departments.
4. To generate teaching and research materials with direct relevance to contemporary policy issues in Tanzania.

Duration of the Programmes

The M.A. 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 "core courses," and some optional courses to make up a particular specialization suited to each student's intended future occupation

Eligibility for Admission into the Postgraduate Programmes

- i. To be eligible for admission, the candidate must fulfill the following conditions: A good 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

The 18 months programme 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 2-weeks for semester examinations. The 24 months programme consists of three semesters of coursework and 6 months of dissertation.

The taught PhD programmes consist of 18 months of instruction, followed by 6 months of comprehensive examination and 24 months of research and dissertation

Examinations

i) Coursework Assessment:

Course assessment ordinarily counts for 50% towards the final marks in each course. Coursework marks include semester tests, 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.

Allocation of Courses

A year's courses are divided to give approximately half the time to required core courses (including one required common course), and half the time to optional courses selected in accordance with a student's intended specialization.

Dissertation

The terminal period of 9 and 24 months is directed towards the completion of Master and PhD dissertations respectively. The M.A. or PhD degree will not be granted until this dissertation has been satisfactorily completed.

Coordinators of Postgraduate Studies

There is a coordinator postgraduate programme in the College and in each department.

PROGRAMMES OFFERED BY COLLEGE OF SOCIAL SCIENCES

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs)	Non Tanzanian (US\$)
Doctor of Philosophy (PhD) in Economics	Coursework and Dissertation	Fulltime	48 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Economics	Thesis	Fulltime	36 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Economics	Thesis	Part time	60 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Political Science	Coursework and Dissertation	Fulltime	48 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) Political Science	Thesis	Fulltime	36 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) Political Science	Thesis	Part time	60 months	3,000,000 per year	4,020 per year

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs)	Non Tanzanian (US\$)
Doctor of Philosophy (PhD) in Public Administration	Coursework and Dissertation	Fulltime	48 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Public Administration	Thesis	Fulltime	36 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Public Administration	Thesis	Part time	60 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Geography	Coursework and Dissertation	Fulltime	48 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Geography	Thesis	Fulltime	36 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Geography	Thesis	Part time	60 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Sociology	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Sociology	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Demography	Thesis	Fulltime	36 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Demography	Thesis	Part time	60 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Information Studies	Thesis	Fulltime	36 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Information Studies	Thesis	Part time	60 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Records and Archives Management	Thesis	Fulltime	36 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Records and Archives Management	Thesis	Part time	60 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Statistics	Thesis	Fulltime	36 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Statistics	Thesis	Part time	60 months	3,000,000 per year	4,020 per year
Master of Arts in Geography and Environmental Management	Coursework and Dissertation	Fulltime	18 months	4,500,000	6,030
Master of Arts in Geography and Environmental Management	Thesis	Fulltime	24 months	6,500,000	8,040

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs)	Non Tanzanian (US\$)
Master of Arts in Political Science	Coursework and Dissertation	Fulltime	18 months	5,000,000	6,030
Master of Arts in Political Science	Thesis	Fulltime	24 months	6,500,000	8,040
Master of Arts in Public Administration	Coursework and Dissertation	Fulltime	18 months	5,000,000	6,030
Master of Arts in Public Administration	Thesis	Fulltime	24 months	6,500,000	8,040
Master of Arts in Strategic and Peace Studies	Coursework and Dissertation	Fulltime	18 months	5,000,000	6,030
Master of Arts in Statistics	Coursework and Dissertation	Fulltime	18 months	4,500,000	6,030
Master of Arts in Statistics	Thesis	Fulltime	24 months	6,500,000	8,040
Master of Arts in Sociology	Coursework and Dissertation	Fulltime	18 months	5,000,000	6,030
Master of Arts in Sociology	Thesis	Fulltime	24 months	6,500,000	8,040
Master of Arts in Demography	Coursework and Dissertation	Fulltime	18 months	4,500,000	6,030
Master of Arts in Demography	Thesis	Fulltime	24 months	6,500,000	8,040
Master of Arts in Economics	Coursework and Dissertation	Fulltime	18 months	5,000,000	6,030
Master of Arts in Economics	Thesis	Fulltime	24 months	6,500,000	8,040
Master of Arts in Information Studies	Coursework and Dissertation	Fulltime	18 months	5,200,000	6,030
Master of Arts in Information Studies	Coursework and Dissertation	Evening	18 months	5,200,000	6,030
Master of Arts in Information Studies	Thesis	Fulltime	24 months	6,500,000	8,040
Master of Arts in Project Planning and Management	Coursework and Dissertation	Evening	18 months	7,500,000	8,040
Master of Arts in Applied Economics	Coursework and Dissertation	Evening	24 months	7,500,000	8,040
Master of Research and Public Policy (MRPP)	Coursework and Dissertation	Evening	24 months	8,500,000	8,040
Master of Public Health (MPH)	Coursework and Dissertation	Evening	18 months	7,500,000	6,030

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs)	Non Tanzanian (US\$)
Master of Science in Geographical Information Systems (MSc GIS)	Coursework and Dissertation	Evening	18 months	6,500,000	6,030
Master of Arts in Records and Archives Management (MA-RAM)	Coursework and Dissertation	Fulltime	18 months	6,375,000	6,030
Master of Arts in Records and Archives Management Programme (MA-RAM)	Coursework and Dissertation	Evening	18 months	6,375,000	6,030
Master of Arts in Records and Archives Management (MA-RAM)	Thesis	Full time	24 months	6,500,000	8,040

DEPARTMENT OF ECONOMICS

MASTER OF ARTS IN ECONOMICS (M.A. ECONOMICS)

University of Dar es salaam offers Master of Arts in Economics (M.A. – Economics). This is a degree programme which has a strong base for research and academics purposes. M.A. – Economics is a regular programme which is also facilitated by the African Economic Research Consortium (AERC).

Target Group

The programme targets graduates with good quantitative skills who aspire to build careers in economic analysis and management.

Structure of the Programme

The programme is tenable in 18 months period. It covers a total of 6 core courses and 4 optional courses of 16 credits each. At the end of the course work students write a dissertation of 80 credits. Therefore, total number of 240 credits has to be covered for this programme completion. The following courses are studied for this programme:

Core Courses

Year 1

Semester 1

Code	Course Title	Credits
EC 660	Advanced Microeconomics	16
EC 662	Mathematics for Economists	16
EC 664	Policy Analysis	16
Total		48

Semester 2

Code	Course Title	Credits
EC 661	Advanced Macroeconomics	16
EC 663	Statistical Analysis and Econometrics	16
EC 665	Policy Management	16
Total		48

Year 2

Optional Courses

Code	Course Title	Credits
EC 666	Monetary Theory and Practice I	16
EC 667	Monetary Theory and Practice II	16
EC 668	Public Finance I	16
EC 669	Public Finance II	16
EC 670	Agricultural Economics I	16
EC 671	Agricultural Economics II	16
EC 672	Industrial Economics I	16
EC 673	Industrial Economics II	16
EC 674	Labour Economics I	16
EC 675	Labour Economics II	16
EC 776	Econometrics Theory and Practice I	16
EC 677	Econometrics Theory and Practice II	16
EC 678	International Economics I	16
EC 679	International Economics II	16
EC 680	Corporate Finance and Investment I	16
EC 681	Corporate Finance and Investment II	16
EC 682	Natural Resources Economics I	16
EC 683	Natural Resources Economics II	16
EC 684	Environmental Economics I	16
EC 685	Environmental Economics II	16
EC 686	Managerial Economics I	16
EC 687	Managerial Economics II	16
EC 688	Health Economics I	16
EC 689	Health Economics II	16
Electives		64
EC 699	Dissertation	80
Overall Total		240

Duration

The programme lasts for 18 months (12 months of coursework and 6 months of dissertation writing)

Admission Requirements

Applicants seeking admission to the M.A. (Economics) programme must hold at least a first degree in Economics and any other related background offered by the University of Dar es Salaam or any other recognized university with a minimum GPA of 2.7 or at least a GPA of 4.0 at postgraduate diploma that is related to economics. For unclassified bachelor degrees, a candidate must have at least a B average in the subject of specialization. An applicant must also have done mathematical economics and econometrics courses at undergraduate level.

Fee Structure

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
Master of Arts in Economics	Coursework and Dissertation	Full-time	18 Months	Tanzanians (Tshs)	Non-Tanzanians (USD)
				5,000,000	6,030

Programme Evaluation and Examination

Evaluation

Each course is evaluated by:

Continuous assessment of coursework that constitutes 50% of the final marks.

An examination at the end of each semester that constitutes 50% of the final marks.

The pass mark for each examinable course is a B (50%)

Other Regulations

Candidates who fail to attain a GPA of at least 2.7 shall be discontinued from studies.

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).

A candidate who fails to obtain a GPA of 3.0 or above after supplementary shall be discontinued from studies

A candidate must complete all required courses in the coursework part before dissertation phase. Completing a course means attending classes and examinations of the specified course.

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.

Degree Award

The Master of Arts in Economics degree shall not be awarded until a candidate has completed and passed the coursework and dissertation.

MASTER OF ARTS IN APPLIED ECONOMICS (MA APPLIED ECONOMICS)

The public and private sectors need training programs that produce applied economists and policy analysts who are well skilled in evidence-based analyses. These are professionals who can undertake applied economic research, and scientifically analyze economic data to inform policy making in different dimensions. MA Applied Economics programme intends to bring this solution to the market, especially in the developing world to inform decision making in addressing the development challenges.

Target Group

The programme targets practitioners and policymakers aspiring to enhance their knowledge in applied economic research and scientific analysis of economic data to inform policy.

Structure of the Programme

MA Applied Economics is evening programme which covers 3 taught semesters and one semester for dissertation. It is 24 months programme. A total of 9 core courses and 6 optional courses are studied, and each course has 12 credits. At the end of the course work students write a dissertation of 48 credits.

A total number of 228 credits have to be covered for this programme completion. The following courses are studied in this programme:

Year 1

Core Courses

Semester 1

Code	Course Title	Credits
EC 659	Applied Microeconomics	12
EC 658	Applied Macroeconomics	12
EC 657	Quantitative Economics	12
Total		36

Semester 2

Code	Course Title	Credits
EC 638	Development Economics I	12
EC 637	Economic Management, Planning and Policy Analysis I	12
EC 676	Econometrics Theory and Practice I	12
Total		36

Optional Courses

Semester 1

Code	Course Title	Credits
EC 654	Applied Labour Economics I	12
EC 650	Environmental Economics I	12
EC 646	Managerial Economics I	12
EC 641	Economics of Banking and Insurance I	12
EC 634	International Economics I	12
EC 631	Transport Economics I	12
Total		24

Semester 2

Code	Course Title	Credits
EC 653	Applied Labour Economics II	12
EC 652	Applied Financial Economics II	12
EC 649	Environmental Economics II	12
EC 648	Energy Economics II	12
EC 645	Managerial Economics II	12
EC 643	Economics of Regulation and Competition Policy II	12
EC 640	Economics of Banking and Insurance II	12
EC 635	International Economics II	12
EC 632	Transport Economics II	12
Total		24

Year 2

Core Courses

Semester 1

Code	Course Title	Credits
EC 677	Econometrics Theory and Practice II	12
EC 636	Economic Management, Planning and Policy Analysis II	12
EC 656	Economic Research and Data Analysis	12
Total		36

Optional Courses

Semester 1

Code	Course Title	Credits
EC 651	Applied Financial Economics II	12
EC 647	Energy Economics II	12
EC 644	Economics of Real Estates, Urbanization and Informality	12
EC 642	Economics of Regulation and Competition Policy II	12
EC 639	Petroleum Economics	12
EC 633	Mineral Economics	12
EC 666	Monetary Theory and Practice I	12
EC 668	Public Finance I	12
EC 688	Health Economics I	12
Total		24

Semester 2

Code	Course Title	Credits
EC 699	Dissertation	48
Overall Total		228

DOCTOR OF PHILOSOPHY IN ECONOMICS (PhD ECONOMICS)

The Department offers PhD by thesis as well as by coursework and dissertation. The **PhD (Economics) by coursework and dissertation** is a four-year programme of the University of Dar es Salaam organized in collaboration with a number of sub-Saharan African Universities under support of African Economic Research Consortium (AERC). The host universities that offer core courses for this programme are four (4) including: University of Dar es salaam, University of Cape Town, University of Ibadan, and University of Yaounde II.

Target Group

The programme targets graduates aspiring to develop with profound skills in research, decision-making, planning and resource exploitation and management

Structure of the Programme

Students are required to take six core courses of 16 credits each and 4 optional courses of 16 credit each. After the course they will write dissertation which counts for 160 credits. This means a total number of 320 credits have to be covered for this programme. The offered course as a following: -

Year 1**Semester I (12 Units)**

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)

Code	Course Title	Credits
EC 702	Microeconomics II	16
EC 704	Macroeconomics II	16
EC 706	Quantitative Methods II	16
Total		48

Year 2**Optional Courses (16 Units)**

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

Code	Course Title	Credits
EC 799	Dissertation	160
Overall Total	320	

DEPARTMENT OF GEOGRAPHY

MASTER OF ARTS IN GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT (M.A. GEM)

Programme Structure for M.A.GEM

The programme offers a wide range of courses related to Geography and environmental resources management. Of these 8 are core courses and 8 are optional 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 of Geography with education are accepted in this programme. Students are required to take all core courses as indicated. A student may take one additional optional 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 specialize. An optional course will only be offered if at least FIVE students opt for it.

Year 1

Core Courses

Semester 1

Code	Course Title	Credits
GE 630	Geographic Thought	12
GE 631	Climate Change and Human Adjustments	12
GE 632	Geographical Research Methods	12
DE 628	Population, Resources and Environment	12

Optional Courses

Semester 1

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 2

Code	Course Title	Credits
GE 634	Spatial Development Theories and Environmental Resources Management	12
GE 633	Applied Geographical Information Systems	12
GE 636	Integrated Natural Resources Management	12
GE 645	Strategic Urban Environmental Management	12

Core Courses

Semester 2

Code	Course Title	Credits
GE 635	Environmental Conservation Policies and Strategies	12
GE 640	Urban Planning and Management in a Globalizing World	12
GE 642	Medical Geography	12
GE 644	Environment, Food and Development	12

Year 2

Semester 1

Code	Course Title	Credits
GE 699	Dissertation	60

MASTER OF ARTS IN PROJECT PLANNING AND MANAGEMENT (M.A. PPM)

Programme Structure for M.A.PPM

The Master of Arts in Project Planning and Management is an evening programme structured into 180credits.

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 48credits derived from optional 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 mobilization as well as impact assessment, and project valuation. In each Semester, a student will be required to take 3 core courses and 2 optional courses. The programme duration is 18 months divided into two semesters. The distribution of courses is as shown in the table below:

Year 1

Core Courses

Semester 1

Code	Course Title	Credits
GE 650	Project Planning and Implementation	12
GE 652	Project Appraisal and Techniques	12
GE 655	Project Formulation and Evaluation of Policies	12
GE 661	Strategic Project Management	12

Optional Courses

Semester 1 (choose any two)

Code	Course Title	Credits
GE 656	Resource Mobilization and Project Financing	12
GE 664	Project Management Information Systems	12
GE 668	Rural Development and Community Empow- erment	12

Core Courses

Semester 2

Code	Course Title	Credits
GE 659	Impact Measurement and Evaluation Methods	12
GE665	Principles and Theories of Monitoring and Evaluation	12
GE 667	Professional Skills and Field Practice for Project Managers	12
GE 669	Research Methodology	12

Optional Courses

Semester 2 (choose any two)

Code	Course Title	Credits
GE 653	Participatory Planning and Appreciative Inquiry	12
GE658	Development Projects and Disaster Management	12
GE 663	Social Entrepreneurship	12

Year 2

Semester 2

Code	Course Title	Credits
GE 699	Dissertation	60

MASTER OF SCIENCE IN GEOGRAPHICAL INFORMATION SYSTEMS (MSc.GIS)

Programme Structure for MSc.GIS

Master of Science in Geographical Information Systems (MSc.GIS) programme is 18 months evening programme. The programme is structured in 180 credits, comprising of 96 credits for core courses, 24 credits for optional courses and 60 credits for dissertation. The programme accepts students from a variety of background emphasizing on computer science, geography, engineering, geology and other related disciplines. Students taking this programme aim 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

List of courses for Master of Science in GIS programme.

Year 1

Core Courses

Semester 1

Code	Course Title	Credits
GE 632	Geographical Research Methods	12
GE 670	Advances in GIS	12
GE 672	Methods in Geographical Information Systems	12
GE 674	Remote Sensing Methods	12

Optional Course

Semester 1

Code	Course Title	Credits
GE 646	Applied Quantitative Methods in Geography	12
GE 675	Cartography and Geo-visualization	12
IS 611	Advanced Object Oriented Programming	12
IS 619	Organization and Management of Information Systems	12
IS 612	Advanced Database Management Systems	12

Core Courses

Semester 2

Code	Course Title	Credits
GE 680	Advanced Web Mapping	12
GE 671	Advanced Geographical Information Systems	12
GE 673	Geospatial Decision Support Systems	12
GE 678	Digital Image Processing and Interpretations	12

Optional Course

Semester 2

Code	Course Title	Credits
GE 676	Environmental Change Modelling	12
GE 677	Participatory Geographical Information Systems (PGIS)	12
GE 679	Geostatistical Analysis	12
GE 664	Project Information Management	12
IS 633	Mobile Software Development	12

Year 2

Semester 1

Code	Course Title	Credits
GE 699	Dissertation	60

Masters by thesis:

This programme accepts students who want to do their masters 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 GPAs and Geography related concept notes can be selected easily into this programme.

DOCTOR OF PHILOSOPHY IN GEOGRAPHY (PHD GEOGRAPHY) BY COURSE WORK AND DISSERTATION

Objective

The programme intends to produce highly qualified professional staff in geography to address the increased demand for academic members of staff in universities offering geography in the country and at other institutions of higher learning in the greater African region and beyond. Also the programme is suited for people who want to have a deeper understanding of the philosophy of geography and research methods to enable them pursue careers in research institutions, government departments and non-governmental organisations.

Admission requirements

To be admitted to the programme, a student must have attained a good master's degree in geography or a related field from a recognised University.

Structure and Duration

The 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.

Assessment and Evaluation

The PhD students must complete 90 Credits, including 27 Credits of core and optional courses as indicated in the table below, and 63 Credits for the compressive examination and dissertation.

Required course work Credits for each PhD student

Course category	Number of Courses	Credits per course	Total Credits
Core Courses	5	24	120
Optional Courses	3	24	72
Total	8		192

***Two core courses, and at least one optional course for semester 1 and 2 of 1st year; and one core course, with at least one optional one for 1st semester of 2nd year**

Core courses

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

Optional courses in physical geography

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

Optional courses in human geography

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.

Optional course in skills-based geography

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.

Optional courses from outside of the department*

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**

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 (M.A. SOCIOLOGY)

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 degree in Sociology (MASO) orients students to the study of human social relationships and institutions and offers an understanding of how human action and consciousness both shape and are shaped by surrounding cultural and social structures.

The programme targets applicants with first degree in any social science related disciplines. The University of Dar es Salaam minimum entry qualification for a taught Master programme 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. The status of programme is full time lasting for 18 months.

The assessment for MASO degree includes coursework, final examination and dissertation writing. Specifically, 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%.

Core Courses

Course Code	Course Title	Credits	Semester
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

Specialization 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

Specialization 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

Optional 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	Organization Theory and Management	12	I
LW 628	Human Rights Law	12	II
MK 611	Entrepreneurship Development	12	II

MASTER OF PUBLIC HEALTH (MPH)

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 emphasizing on the role of socio-economic, behavioral, biological and societal determinants of health and diseases.

The minimum entry requirements are holders of a Bachelor degree from any recognized University with a GPA of 2.7 and above with a background in social sciences related discipline, biological sciences, and environmental sciences. Also, it targets Doctors, dentists, pharmacists or graduate nurses from a recognized University with at least a lower second class in their final University examinations. The programme status is an evening classes running from 17pm to 20pm Monday to Friday. The programme duration is 18 months,

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%.

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 Organization 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
The department of sociology offers a three years PhD programme by thesis (360 Credits)

DEPARTMENT OF STATISTICS

The Department of Statistics offers postgraduate programs leading to the award of Master of Science in Statistics (Msc. (Statistics) and PhD. The Msc. (Statistics) degree is offered in two modes: either by Coursework and Dissertation or by Thesis whereas Ph.D is by Thesis.

MASTER OF SCIENCE IN STATISTICS (Msc. STATISTICS)

The MSc Programme in Statistics leads to a Master of Science (MSc) in Statistics. The MSc in Statistics is an intensive training integrating theoretical and practical aspects of statistics, the objective of which is to impart practical statistical knowledge and skills needed in the modern society. The programme provides an opportunity to statisticians and non-statisticians to transit to a more quantitatively focused career; produces academics who will handle various statistics courses in Universities and higher learning institutions; and incorporate hands-on practical that will involve student working with data from government, industrial and research sectors to solve real scientific or business problems. Subsequently, it is possible for an applicant to choose one of the two pathways: (a) Theory of Statistics pathway which brings together three crucial areas of Statistical knowledge required for a sound foundation in statistics frequentists approach, Bayesian fundamentals and Non-parametric inference. Appropriately, sampling theory and time series are also well expounded in this pathway and (b) Applied Statistics pathway addresses issues such as Data Management, Biological process analysis, business forecasting, Data Mining, Statistical Learning and Monte-Carlo experiments that frequently feature in daily statistical work.

The Master of Science in Statistics programme consists of 180 credits. The standard study time is 18 Months, 12 months of coursework and 6 months of Dissertation. Selection for admission is primarily based on the Bachelor degree awards in Statistics and related applied fields from a recognized institution of higher learning. Assessment for each course consists of a combination of continuous assessment (50%) (based on written tests, project and assignments) and final university examination (50%).

Regulations

All University Regulations on the conduct of postgraduate studies apply.

Duration of the Course

The Msc. (Statistics) by Coursework and Dissertation takes a minimum of 18 months, while the MSc. by Thesis takes a minimum of two years, as per University Regulations.

Course Assessment

Msc. (Statistics) by Coursework and Dissertation: Coursework 50%, Final examinations 50%, Dissertation is graded over 100%.

Course Structure for the Msc. Coursework and Dissertation Programme

There will be a minimum of 180 credits consisting of 120 credits for Course work and 60credits for Dissertation. Master of Science in Statistics is a two-pronged pathway programme comprising Theory of Statistics and Applied Statistics.

Theory of Statistics pathway 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.

Applied Statistics pathway is organized to address some of the issues that arise in a number of important fields. Issues such as data Management, Biological process analysis, business forecasting, data mining, and statistical learning and Monte-Carlo experiments feature in daily statistical work.

Learning and Course matrix for Statistics Theory Pathway¹			
Semester 1 Year 1			
Code	Course Title	Core or Optional	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	Optional	12
ST 646	Computational Statistics	Optional	12
ST 650	Statistical Methods in Epidemiology and Biostatistics	Optional	12
ST 652	Actuarial Statistics	Optional	12
ST 653	Advanced Design and Analysis of Experiments	Optional	12
ST 655	Statistical Process Control	Optional	12
Minimum required Credits			60
Semester 2 Year 1			
ST 638	Research Methods	Core	12
ST 640	Time Series Analysis	Core	12
ST 643	Bayesian Statistics	Core	12
ST 642	Nonparametric Inference	Optional	12
ST 645	Generalized Linear and Additive Models	Optional	12

ST 647	Spatial Modelling	Optional	12
ST 648	Applied Data Mining and Statistical Learning	Optional	12
ST 649	Survival and Lifetime Data Analysis	Optional	12
ST 651	Operations Research for Decision Making	Optional	12
ST 654	Advanced Econometrics	Optional	12
Minimum required Credits			60
Year 2 Dissertation			
ST 699	Dissertation	Core	60

4 electives to be taken

Learning and Course matrix for Applied Statistics Pathway¹			
Semester 1 Year 1			
Course Code	Course Name	Core or Optional	Credits
ST 641	Multivariate Analysis	Core	12
ST 644	Statistical Data Analysis and Management	Core	12
ST 637	Probability and Random Process	Optional	12
ST 639	Advanced Sampling Theory and Methods	Optional	12
ST 646	Computational Statistics	Optional	12
ST 650	Statistical Methods in Epidemiology and Biostatistics	Optional	12
ST 652	Actuarial Statistics	Optional	12
ST 653	Advanced Design and Analysis of Experiments	Optional	12
ST 655	Statistical Process Control	Optional	12
Minimum required Credits			60
Semester 2 Year 1			
ST 638	Research Methods	Core	12
ST 643	Bayesian Statistics	Core	12
ST 640	Time Series Analysis	Optional	12
ST 642	Nonparametric Inference	Optional	12
ST 645	Generalized Linear and Additive Models	Optional	12
ST 647	Spatial Modelling	Optional	12
ST 648	Applied Data Mining and Statistical Learning	Optional	12
ST 649	Survival and Lifetime Data Analysis	Optional	12
ST 651	Operations Research for Decision Making	Optional	12
ST 654	Advanced Econometrics	Optional	12
Minimum required Credits			60
Year 2 Dissertation			
ST 699	Dissertation	Core	60

6 Optional Courses to be taken

¹Selection of the pathway will be done at the beginning of registration based on entry qualification.

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

Objective

M.A. in Political Science seeks to develop advanced theoretical knowledge and practical skills relating to understanding the nature and structure of political systems and political behavior and their interactions with socioeconomic institutions both at national and international levels.

Target group

The target group of the program broadly includes researchers and practitioners who want to build advanced competences related to local and international politics and political analysis. The program 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, and political systems and political ecology.

Structure and Delivery

The M.A. in Political Science allows students to concentrate on either International Relations or Politics. Students pursuing M.A. 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	Compulsory 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. Listed below are the course offerings:

Compulsory Courses: 48 Credits

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

Code	Courses 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

Optional Courses: 48 Credits

Code	Course Title	Credits
PS 614	Human Rights and Human Rights Law	12
PS 619	International Organization	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

Code	Course Title	Credits
PS 699	Dissertation	60

ii) Politics Concentration

Core Courses: 24 Credits

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

Optional Courses: 48 Credits

Code	Course Title	Credits
PS 639	Area Studies: One of the following – America, Europe, Asia, Middle East, China, Caribbean and Latin America	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

Code	Course Title	Credits
PS 699	Dissertation	60

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

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

Students pursuing M.A. in Public Administration are required to take 180 credits consisting of 120 course work credits and 60 credits for the Dissertation as detailed below:

S/N	Details	Credits
1	5 Compulsory Courses	60
2	5 Elective Courses	60
3	Dissertation	60
	Total	180

Each course, other than the Dissertation, carries 12 credits. The Dissertation carries 60 credits. Listed below are the course offerings:

Core Courses: 60 Credits

Code	Course Title	Credits
PS 601	Qualitative Methods of Social Science Research	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

Optional Courses: 60Credits

Code	Course Title	Credits
PA 606	Corporate Governance	12
PA 607	Administrative and Labour Law	12
PA 617	Local Governance	12
PS 611	Gender and Governance	12
PA 618	Organization Development and Change	12
PA 625	Managing Public Services	12

Dissertation: 60 Credits

Code	Course Title	Credits
PS 699	Dissertation	60

Objective

The objective of M.A in Public Administration program is to offer advanced knowledge and skills that graduate from different public and private organizations require to become the best architects of corporate management and administrative systems and strategies. The program provides challenging learning opportunities that will transform learners into strategic reformers of modern organizations and organizational process to enhance administrative efficiency and effectiveness as well as understanding the principles and best practices for managing the relationship between governments and non-government institutions as they interact in the process of making and implementing public policies as well as delivery public goods and services.

Target Group

The target group for the M.A Public Administration program 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 organizations that involve making challenging decisions and managing and coordinating the key resources in complex organizational environments.

Structure and Delivery

Students pursuing M.A. in Public Administration are required to take 180 credits consisting of 120 course work credits and 60 credits for the Dissertation as detailed below:

SN	Details	Credits
1	5 Compulsory Courses	60
2	5 Elective Courses	60
3	Dissertation	60
	Total	180

Each course, other than the Dissertation, carries 12 credits. The Dissertation carries 60 credits. Listed below are the course offerings:

Core Courses: 60 Credits

Code	Course Title	Credits
PS 601	Qualitative Methods of Social Science Research	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

Optional Courses: 60Credits

Code	Course Title	Credits
PA 606	Corporate Governance	12
PA 607	Administrative and Labour Law	12

PA 617	Local Governance	12
PS 611	Gender and Governance	12
PA 618	Organization Development and Change	12
PA 625	Managing Public Services	12

Dissertation: 60 Credits

Code	Course Title	Credits
PS 699	Dissertation	60

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

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)

Objective

The program provides advanced knowledge and skills in doing policy relevant research and using research to improve public policies. The MRPP program 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.

Target Group

MRPP is a multidisciplinary program. It targets graduates from all academic backgrounds. However, the enrollees 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 enrollees are those who work in research and policy institutions. These include national and sub-national government bodies, think tanks, advocacy organizations, media, private sector, regional, and international organizations.

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. Compulsory courses address essential competencies needed by all students whether they choose either the Research or Policy Practice pathway.

Students pursuing M.A. 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 Compulsory 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. Listed below are the course offerings:

Core Courses: 120 Credits

Code	Course Title	Credits
RP 601	Qualitative Research Methods for Public Policy	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

i) Research Pathway: 36 Credits

Code	Course Title	Credits
RP 606	Advanced Quantitative Methods	12
RP 607	Advanced Qualitative Methods	12
RP 608	Applied Policy Analyses	12

ii) Policy Practice Pathway: 36 Credits

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

Code	Course Title	Credits
RP 699	Dissertation	48

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 program is a Master degree or an upper second class Bachelor's degree (or its equivalent GPA), or higher; or Bachelor's degree of a lower second class, but accompanied by either, at least two years of work experience in a research or policy field, or another postgraduate diploma.

Assessment

The assessment in the program 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

Objective

Training a cadre of high level human resources to acquire advanced knowledge in conflict resolution and national defense 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 defense and security policy research and decision-making.

Target Group

The program 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.

Structure and Delivery

The M.A. 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 course work credits and 60 credits for the Dissertation as detailed below:

S/N	Details	Credits
1	5 CoreCourses	60
2	5 OptionalCourses	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 compulsory courses and two areas of concentration, namely Strategic Studies and Peace Studies. Each student will be required to take five compulsory courses and five elective courses, two of which must come from their area of concentration. Listed below are the course offerings:

i) CoreCourses: Strategic Studies Concentration 60 Credits

Code	Course Title	Credits
PS 601	Principles and Methods in Social Science Research	12
PS 618	International Relations: Approaches and Issues	12
PS 628	Security, Conflict and War	12
SS 604	Defence and Security: Policy and Strategy	12
PA 605	Public Policy	12

ii) Core Courses: PeaceStudiesConcentration 60 Credits

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

Optional Courses: 60 Credits

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

Code	Course Title		Credits
PS 699	Dissertation	60	

Entry Requirement

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 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.

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 by thesis.

DOCTOR OF PHILOSOPHY (PhD) BY THESIS

PHD IN POLITICAL SCIENCE BY COURSEWORK AND DISSERTATION

Objective

The program aims at creating a pool of well-trained academics in the fields of Political Science who wish to work as political analysts and practitioners at both national and international institutions. It also aims at meeting staffing needs of universities and higher learning institutions in Tanzania and other countries in the Eastern and Southern Africa.

Target Group

The program targets employees and potential employees for public service organizations, 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.

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	Optional Courses	36
4	Dissertation	432
	Total	648

The Major Areas of Concentration are: Public Administration, International Relations and Politics.

Core Courses: 108 Credits

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. These are: International Relations, Public Administration, and Politics.

International Relations Concentration

Core Courses: 72 Credits

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

Optional Courses: 36 Credits

Code	Course Title	Credits
PS 714	Human Rights and Human Rights Law	18
PS 719	International Organization	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

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

Optional Courses: 36 Credits

Code	Course Title	Credits
PA 706	Corporate Governance	18
PA 707	Administrative and Labour Laws	18
PA 713	Employee and Labour Relations	18
PA 717	Local Governance	18
PA 718	Organization Development and Change	18
PA 725	Managing Public Services	18
PS 711	Gender and Governance	18

Politics Concentration:

Core Courses: 72 Credits

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

Electives: 36Credits

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

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.

Assessment

The assessment in the program 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%.

PHD IN PUBLIC ADMINISTRATION BY COURSEWORK AND DISSERTATION

Objective

To prepare skilled and knowledgeable experts in public administration and its allied sub-fields for development

Target Groups

The PhD in Public Administration program targets graduates from difference academic backgrounds who want to contribute to the advancement of knowledge in the areas of public administration and public management research and practice.

Structure and Delivery

The Ph.D. 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	CoreCourses	108
2	Major Area of Concentration	72
3	Optional Courses	36
4	Dissertation	432
	Total	648

Each course, other than the Dissertation, carries 18 credits. The Dissertation carries 432 credits. Students admitted to the PhD degree in Public Administration are required to take the following courses:

Core Courses: 108 Credits

Code	Course Title	Credits
PS 701	Principles and Methods in 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

Code	Course Title	Credits
PA 708	Comparative Public Administration	18
PA 706	Corporate Governance	18
PA 708	Performance Management	18
PA 713	Employee and Labour Relations	18
PA 717	Local Governance	18
PA 718	Organizational Development and Change	18
PA 750	Special Topics/Directed Study	18

Optional Courses

36 credits selected from university wide graduate courses.

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.

Assessment

The assessment in the program 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%.

POPULATION STUDIES AND RESEARCH CENTRE MASTER OF ARTS IN DEMOGRAPHY (M.A. DEMOGRAPHY)

Introduction

The M.A. programme in Demography by coursework in the University of Dar es Salaam 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, the University of Dar es Salaam being the Implementing Agencies. The Rockefeller Foundation also significantly supplemented the UNFPA efforts.

Objective

- i. To produce competent and skilled experts and professionals who are able to integrate population variables into development plans.
- ii. To relate population, environment and development nexus.
- iii. To analyze the implications of population dynamics on socio- economic development and the environment.
- iv. To advance new frontiers of Population knowledge and enable Tanzanians to cope with new dimensions of Population increase in the globalized world.

MASTER OF DEMOGRAPHY (FULL TIME)

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.

Target group

The target group for the programme is young graduates and professionals who aspire to build their capacity and career in demography

Structure of the Full Time MA (Demography) Programme Overall, the programme has three semesters, two semesters of teaching and one semester of dissertation research project. The first two semesters consist of 30 weeks of teaching and seminar activities. In each of them 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.

Course Mapping for the Full Time MA (Demography) Programme:

Semester 1

Core Courses

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
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Optional Courses

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 2

Core Courses

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 Computing Methods	12

Optional Courses

Code	Course Title	Credits
DE 629	Migration and Urbanization	12
DE 631	Social and Gender Analysis of Population	12
DE 633	Population Programmes and Socio-economic Development	12

Semester 3

Code	Course Title	Credits
DE 699	Dissertation	60

** Students with a first degree in Statistics will be exempted from this course. They will instead choose an extra course from the optional courses.

Duration

The programme commences in October each year and lasts for 18 months (9 months of coursework with a three-month long vacation between the first and second year of study and 6 months of dissertation writing).

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 recognised institutions.

Fee structure

The fee structure for Full time MA (Demography) may change from time to time. For more information on the fee structure for the next academic year, you may contact the Principal (College of Social Sciences).

Programme Evaluation and Examination

(i) Evaluation

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 examinable course is a B (50%).

(ii) 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.

Degree Award

The MA (Demography) degree shall not be awarded until both the course work and the dissertation have been satisfactorily completed, graded and the candidate has passed all of them.

INFORMATION STUDIES PROGRAMME

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.

M.A. (Information Studies)

The taught Masters programme (Regular & Evening Programme) takes eighteen months consisting of two semesters of classroom instruction. Students take a total of 124 credit hours, 108 of which are compulsory and 16 are optional. The remaining nine months are for research work leading to a dissertation which carries 60 credits.

Doctor of Philosophy (PhD)

PhD is a three years programme offered by thesis

Qualifications for Admission

Information studies are a multidisciplinary course. For a taught MA Programme a candidate must have a Lower Second Clss Bachelors Degree in any field as a minimum entry qualification. For a Ph.D and MA by thesis programmes a candidate must have an Upper Second Class Degree.

Duration of the Programme

The Programme is offered to full-time students and lasts for 18 months. Nine months are for Coursework and nine months for dissertation.

Structure of the Programme

The MA programme consists of two semesters of classroom instruction. Students take a total of 124 credit hours, 108 of which are compulsory and 16 are optional. The remaining nine months are for research work leading to a dissertation which carries 60 credits.

Course Evaluation

For PhD and MA by thesis evaluation is based on thesis and for a taught MA evaluation is based on coursework as follows:

Course Work: 50%

University Examinations: 50%; and Dissertation

MASTER OF ARTS IN INFORMATION STUDIES (M.A. INFORMATION STUDIES)

Year 1:

Course Summary

First Semester (First Year)

Code	Name of Course	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 – Organization of knowledge	Core	12
<i>Students have to select at least 1 of the following courses</i>			
IL 617	IL 617 Information user studies	Optional	8
IL 641	IL 641 Legal information services	Optional	8
IL 642	IL 642 Information in Science and Technology	Optional	8
GE 633	GE 633 Geographical Information Systems (Check with Geography Dept on when the course is offered)	Optional	12
Minimum required			56

Second Semester (First year)

Code	Name of Course	Status	Credits
IL 638	IL 638 - Organization of knowledge	Core	12
IL 639	IL 639 – Management for information professionals	Core	12
IL 640	IL 640 – Collection development and management	Core	12
IL 623	IL 623 – Records management and archives administration	Core	12
	IL 603 – Research methods	Core	12
<i>Students have to at least 1 of the following courses</i>			
IL 618	Analysis, design and evaluation of information systems	Optional	8
IL 633	Digital Libraries	Optional	8
IL 643	Knowledge Management	Optional	8

GE 633	Geographical Information Systems (Check with Geography Dept on when the course is offered)		12
Minimum required			68
Second Year			
Code	Name of Course	Status	Credits
IL 699	Dissertation	Core	60

MASTER OF ARTS IN RECORDS AND ARCHIVES MANAGEMENT (MA-RAM)

Courses

SEMESTER 1			SEMESTER 2		
Core Courses			Core course		
Code	Course Title	Credits	Code	Core Courses	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 639	Management for Information Professionals	12	IL 603	Research Methods	12
<u>Optional Courses</u> (Select one)			<u>Optional Courses</u> (Select one)		
RA 630	Strategic Management for Records and Archives Services	12	RA 632	Public and Private Records Management	12
RA 631	Application of Web technologies in records and archives management	12	IL 618	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			

CoSS STAFF LIST

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*D. Loiboo, BA, MA (Dar)
*F. T. Faustin, BA, MA (Dar)
*W. Aaron, BA, MA (Dar)
*G. Saqware, BA, MA (Dar)
*B. Thobias, BA, MA (Dar)
*S. E. Kibona, BA (Dar)
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E. Magwaja, BA, MA (Dar)
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*W. Focus, BA (Dar)

Population Studies and Research Centre

Coordinator

A.Mwamfupe, BA, MA, PhD (Dar)

* On Study Leave

**On Sabbatical Leave

***On Leave of Absence/Secondment

Introduction

As one of the leading African business schools the University of Dar es Salaam Business School conducts postgraduate programmes aimed at addressing the growing demand for expert education in specialized business and management areas such as finance, accounting, marketing, production, human resources management, tourism and hospitality management, logistics and management science. Graduates end up either being getting employments at different levels of industry, government and academia or being self employed.

Strongly committed to excellence, efficiency and sustainability in addition to incorporating its CESI core values and principles into all teaching and research activities, our postgraduate programmes have been Tanzania’s torchbearers and our MBA was the first in Tanzania. Our lecturers have strong links with the business and industry and are at the forefront of research in their fields, ensuring that course contents are relevant, highly practical and innovative.

Programmes

The first products of the newly established Faculty of Commerce and Management 33 years ago were 10 MBA students who graduated in 1981. Since then strong links between the school and industry have not only seen many students passing through our Postgraduate Programmes but also they have brought about a number of strategic business and industry partnerships. These collaborations provide us with the basis to progress research priorities and ensure that coursework programs are continually developed to provide students with skills that meet business and industry needs. As of now, the UDBS Postgraduate Office caters for a PhD programme in Business Administration with concentrations in Accounting, Entrepreneurship Development, Finance, Human Resources Management, International Business, Management Science, Marketing, and Tourism; 6 different Masters Degrees (MBA, MIT, MIB, MEED, MSc. ITL, MSc. ICT Policy & Regulations); and 3 different Postgraduate diplomas (PGDMF, PGDEED, PGD ICT Policy and Regulations). Graduates from our programmes join a growing body of more than three thousand former postgraduate students that comprise the UDBS graduate students alumni network.

POSTGRADUATE PROGRAMMES OFFERED BY UDBS

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs.)	Non-Tanzanian (USD\$)
Doctor of Philosophy (PhD) in Business Administration	Thesis	Fulltime	36 months	4,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Business Administration	Thesis	Part time	60 months	4,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Operations Research	Coursework and Dissertation.	Fulltime (Starts in March)	48 months	4,000,000 per year	4,020 per year
Postgraduate Diploma in Entrepreneurship and Enterprise Development	Coursework and Research Project	Evening (Starts in March)	12 months	4,250,000	4,020
Postgraduate Diploma in Microfinance	Coursework and Research Project	Evening	12 months	4,250,000	4,020

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs.)	Non-Tanzanian (USDS)
Master of Business Administration (MBA) <ul style="list-style-type: none"> ▪ Accounting ▪ Finance ▪ Human Resource Management ▪ Marketing 	Coursework and Dissertation	Fulltime	24 months	8,500,000	8,040
Master of Business Administration (MBA) <ul style="list-style-type: none"> ▪ Accounting ▪ Finance ▪ Human Resource Management Marketing 	Coursework and Dissertation	Evening (Starts in July)	24 months	8,500,000	8,040
Master of Business Administration (MBA) <ul style="list-style-type: none"> ▪ Accounting ▪ Finance ▪ Human Resource Management Marketing 	Coursework and Dissertation	Executive	27 months	8,500,000	8,040
Master of International Trade (MIT)	Coursework and Dissertation	Evening (Starts in March)	18 months	6,375,000	6,030
Master in Entrepreneurship and Enterprise Development	Coursework and Dissertation	Executive (Starts in March)	18 months	6,375,000	6,030
Master of Science in International Transport and Logistics	Coursework and Dissertation	Evening (Starts in March)	21 months	7,500,000	6,030
Master of International Business (MIB)	Coursework and Dissertation	Evening (Starts in March)	18 months	6,375,000	6,030
Master of International Business (MIB)	Coursework and Dissertation	Executive (Starts in March)	18 months	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

MASTERS PROGRAMMES OFFERED BY THE UNIVERSITY OF DAR ES SALAAM BUSINESS SCHOOL

MASTER OF BUSINESS ADMINISTRATION (MBA)

Introduction

The MBA is a programme designed with the needs of the business world and students in mind. The business world requires enterprising men and women who can take stock of the changing competitive business environment and make critical decisions for effective and efficient strategy formulation and implementation. The students require a flexible programme that can address their academic and social needs without compromising on the quality. The programme therefore prepares students for the challenges of either working for the public and/or private sector or becoming self employed and create job opportunities for others.

Objective

The general objective of the MBA programme is to contribute to the world of business by creating a critical mass of men and women who are enterprising and who can take stock of the changing competitive business environment and make critical decisions for effective and efficient strategy formulation and implementation.

Specifically, the MBA programme is designed with the needs of the business world, employees, organizations and students in mind, to enable them:

- 1) Acquire the requisite theoretical understanding of the total business world and generic areas of management;
- 2) Develop practical skills for effective management building confidence in teams and motivating other people;
- 3) Facilitate the development of professional and problem solving attitude for profitable management and entrepreneurship

The MBA programme is open to people with a variety of backgrounds. These include management, business administration, engineering, education, social sciences, architecture, natural and applied sciences, law, medicine, development studies and general social studies. The MBA programme is offered in three different modes:

- Full Time
- Evening (Part-time)
- Executive (Modular).

The curriculum for the first two degrees is the same, the difference being only in the timing of the class sessions and the duration of the course up to completion. While the fulltime MBA is offered during normal working hours, the part-time programme is offered during the evenings in order to cater for candidates who continue working at their jobs during normal working hours. The curriculum for the Executive MBA is essentially the same, except that it is much more practical oriented in the sense that candidates, who are executives, spend a substantial part of their training in analyzing and solving problems related to their work environment. The programme consists of modules which are delivered in intensive two week sessions, four times a year.

MASTER OF BUSINESS ADMINISTRATION (FULL TIME)

The Full time MBA 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 more students study rooms, break-up rooms, expanded library and computer labs.

Target group

The target group for the programme is young graduates who aspire to build their capacity and career in management and business administration.

Structure of the Full Time MBA Programme

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 of them students are required to complete six courses equaling to 54 credits of coursework. Each course (12 credits) consists of 45 contact hours.

In the first two semesters of study, students take 12 core courses in business administration. In the third semester students are required to take three more core courses plus a minimum of three and a maximum of four optional courses specializing 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.

To complete the programme, a student is required to take and pass a minimum of 162 units and write a dissertation under supervision of an academic staff for a total of 216 units.

Course Mapping for the Full Time MBA Programme:

Course Code	Course Title	Core/Optioal	Credits
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 2		
FN 601	Financial Management	Core	12
GM 600	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 1		
GM 602	Strategic Management	Core	12
	Option 1	Optional	12

	Option 2	Optional	12
	Option 3	Optional	12
	Option 4	Optional	12
	Year 2 Semester 2		
GM 699	Dissertation	Core	90
	Total		270

Semester 1

Specialization

Course Code	Course Title	Core/ Optional	Credits
	Accounting Option		
AC 603	Management Accounting for Decision Making	Optional	12
AC 604	Advanced Auditing and Investigation	Optional	12
AC 605	Advanced Taxation	Optional	12
AC 606	Advanced Financial Reporting	Optional	12
AC 607	Advanced Forensic Accounting and Fraud Investigation	Optional	12
AC 608	Advanced Accounting Information Systems	Optional	12
AC 609	Advanced Corporate Governance and Social Responsibility	Optional	12
AC 610	Accounting for Environment and Natural Resources	Optional	12
AC 611	Advanced Financial Statement Analysis	Optional	12
	Finance Option		
FN 602	Financial Institutions and Markets	Optional	12
FN 603	Public Sector Financial Management	Optional	12
FN 604	Monetary Theory and Policies	Optional	12
FN 605	International Business Finance	Optional	12
FN 606	Advanced Corporate Finance	Optional	12
FN 607	Financial Planning and Analysis	Optional	12
FN 609	Personal and Social Security Finance	Optional	12
FN 610	Micro Finance	Optional	12
FN 614	Investment Analysis and Portfolio Management	Optional	12
FN 615	Bank Management	Optional	12
	Human Resources		
GM 603	Organization Theory	Optional	12
HR 602	Labour Law	Optional	12

Course Code	Course Title	Core/ Optional	Credits
HR 603	Human Resources Planning and Recruitment	Optional	12
HR 606	Industrial Relations	Optional	12
HR 609	Human Resource Training and Development	Optional	12
HR 610	International Human Resources Management	Optional	12
HR 612	Strategic Human Resources Management	Optional	12
HR 613	Performance and Rewards Management	OptionalL	12
HR 614	Organization Behaviour	OptionalL	12
	Operations/Procurement		
IM 603	Operations Research	Optional	12
IM 604	Procurement Management	Optional	12
IM 605	Advanced Management Information Systems	Optional	12
IM 623	Total Quality Management	Optional	12
IM 624	Supply Chain Management	OptionL	12
IM 626	Project Planning and Management	Optional	12
IM 630	Inventory Management	Optional	12
IM 642	International Procurement Management	Optional	12
	Marketing		
MK 603	Consumer Behaviour	Optional	12
MK 615	Strategic Marketing	Optional	12
MK 606	Marketing Research	Optional	12
MK 607	Marketing Communications	Optional	12
MK 608	International Marketing	Optional	12
MK 610	Marketing of Services	Optional	12
MK 612	Branding and Pricing Strategies	Optional	12
MK 613	Marketing Distribution Systems and Sales Management	Optional	12

Duration

The programme commences in October each year and lasts for 24 months (18 months of coursework with a three month long vacation between the first and second year of study and 6 months of dissertation writing).

Admission Requirements

- 1) 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 leaning institution.
- 2) Holders of a pass degree who have at least 5 years of working experience after graduation plus a post graduation training of at least 6 months.

- 3) Holders of Advanced Diploma from a recognized higher learning institution with a minimum of upper second class plus a postgraduate diploma.
- 4) Holders of recognized professional qualifications (CPA, ACCA, CMA, CPA, CSP, CPSP, CIM, etc).

Fee structure

The fee structure for Full time MBA may change from time to time. For more information on the fee structure for the next academic year, you may contact the Associate Dean (Postgraduate Studies).

Programme Evaluation and Examination

(a) Evaluation

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 examinable course is a B (50%).

(b) 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.

Degree Award

The MBA degree shall not be awarded until both the course work and the dissertation have been satisfactorily completed, graded and the candidate has passed all of them.

MASTER OF BUSINESS ADMINISTRATION (EVENING)

The Evening MBA programme is offered in the evening (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. The students, however, are free to access and utilize the School’s facilities at any time.

Target group

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 (13 weeks for lectures and 2 weeks for revision and final exams). In the 6th trimester students are required to take a minimum of 3 optional courses (in Marketing, Finance, Accounting, Human Resource Management, Management Sciences and Production Management. The 7th trimester is set for dissertation (research work).

Programme Structure and Delivery Mode

Course Code	Course Name	Core/ Optional	Credits
<i>Year 1: Trimester 1</i>			
IM 600	Quantitative Methods for Business Decisions	Core	12
IM 601	Management Information Systems	Core	12
MK 600	Advanced Marketing Management	Core	12
<i>Year 1: Trimester 2</i>			
AC 601	Financial Accounting for Managers	Core	12
HR 600	Human Resource Management	Core	12
IM 602	Managerial Economics	Core	12
<i>Year 1: Trimester 3</i>			
GM 600	Business Research Methods	Core	12
GM 601	Business Law and Ethics	Core	12
FN 601	Financial Management	Core	12
<i>Year 2: Trimester 1</i>			
MK 614	Entrepreneurship and Business Planning	Core	12
GM 602	Strategic Management	Core	12
	Option 1	Optional	12
<i>Year 2: Trimester 2</i>			
	Option 2	Optional	12
	Option 3	Optional	12
	Option 4	Optional	12
<i>Year 2: Trimester 3</i>			
GM 699	Dissertation	Core	90

Specialization

Course Code	Course Name	Core/ Optional	Credits
	Accounting Option		
AC 603	Management Accounting for Decision Making	Optional	12
AC 604	Advanced Auditing and Investigation	Optional	12
AC 605	Advanced Taxation	Optional	12
AC 606	Advanced Financial Reporting	Optional	12
AC 607	Advanced Forensic Accounting and Fraud Investigation	Optional	12
AC 608	Advanced Accounting Information Systems	Optional	12

Course Code	Course Name	Core/ Optional	Credits
	Accounting Option		
AC 609	Advanced Corporate Governance and Social Responsibility	Optional	12
AC 610	Accounting for Environment and Natural Resources	Optional	12
AC 611	Advanced Financial Statement Analysis	Optional	12
	Finance Option		
FN 602	Financial Institutions and Markets	Optional	12
FN 603	Public Sector Financial Management	Optional	12
FN 604	Monetary Theory and Policies	Optional	12
FN 605	International Business Finance	Optional	12
FN 606	Advanced Corporate Finance	Optional	12
FN 607	Financial Planning and Analysis	Optional	12
FN 609	Personal and Social Security Finance	Optional	12
FN 610	Micro Finance	Optional	12
FN 614	Investment Analysis and Portfolio Management	Optional	12
FN 615	Bank Management	Optional	12
	Human Resources		
GM 603	Organization Theory	Optional	12
HR 602	Labour Law	Optional	12
HR 603	Human Resources Planning and Recruitment	Optional	12
HR 606	Industrial Relations	Optional	12
HR 609	Human Resource Training and Development	Optional	12
HR 610	International Human Resources Management	Option	12
HR 612	Strategic Human Resources Management	Optional	12
HR 613	Performance and Rewards Management	Optional	12
HR 614	Organization Behaviour	Optional	12
	Operations/Procurement		
IM 603	Operations Research	Optional	12
IM 604	Procurement Management	Optional	12
IM 605	Advanced Management Information Systems	Optional	12
IM 623	Total Quality Management	Optional	12
IM 624	Supply Chain Management	Optional	12
IM 626	Project Planning and Management	Optional	12

Course Code	Course Name	Core/ Optional	Credits
	Accounting Option		
IM 630	Inventory Management	Optional	12
IM 642	International Procurement Management	Optional	12
	Marketing		
MK 603	Consumer Behaviour	Optional	12
MK 615	Strategic Marketing	Optional	12
MK 606	Marketing Research	Optional	12
MK 607	Marketing Communications	Optional	12
MK 608	International Marketing	Optional	12
MK 610	Marketing of Services	Optional	12
MK 612	Branding and Pricing Strategies	Optional	12
MK 613	Marketing Distribution Systems and Sales Management	Optional	12

Duration

The programme commences in July each year and is run for 27 months (24 months for coursework 3 months for dissertation).

Admission Requirements

- A first or second class honours degree of the University of Dar es Salaam or its equivalent from another approved university or institute of higher learning institution;

OR

- Applicants with a pass degree may be considered if:
 - a) they have at least 5 years working experience after graduation, and
 - b) they have evidence of post graduation training lasting at least 6 months.

OR

- An advanced diploma from an accredited higher learning institution with a minimum upper second class PLUS a postgraduate diploma;

OR

- Recognized professional qualification such as ACCA, CA, CPA, CSP, CPSP, CIB, MCIM, CMA, etc.

Fee Structure

Fees are subject to review from time to time. Please contact the office of the Associate Dean for Postgraduate Studies for a copy of the current fee structure.

Programme Evaluation and Examination

a) Evaluation

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 marks of each examinable course is a B (50%).

b) 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.

Degree Award

The MBA degree shall not be awarded until both the course work and the dissertation have been satisfactorily completed, graded and the candidate has passed all of them.

MASTER OF BUSINESS ADMINISTRATION (EXECUTIVE)

This is a flexible MBA programme that is offered on a modular basis. It is a flexible programme that so designed in order to suit working executives who wish to combine while undertaking practical assignments. The 8th module is set for dissertation writing (research work and study. Because it is 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, including those based in foreign countries. They just have to arrange for their presence during the Modules when the classes are in session.

Target group

The target group for the programme is working individuals who can not afford to attend either the full time or the evening MBA programmes either because of their tight work schedules or because they reside out of Dar es Salaam.

Programme Structure and Delivery Mode

The programme is divided into 8 modules. A module comprises of 3 courses each of which is run for 5 days (4 days for lectures and one day for revision and a test). Each module lasts for 18 working days (excluding Sundays). In between the modules, students break for two months work).

To complete the programme, a student is required to take and pass a minimum of 21 courses (18 core and 3 optional) and write a dissertation under the supervision of an academic staff for a total of 81 units. A student is required to take 3 courses per module.

Course Mapping for the Executive MBA Programme:

Course Code	Course Name	Core/ Elective	Credits
<i>Module 1</i>			
IM 600	Quantitative Methods for Business Decisions	Core	12
IM 601	Management Information Systems	Core	12
MK 600	Advanced Marketing Management	Core	12
<i>Module 2</i>			
AC 601	Financial Accounting for Managers	Core	12
HR 600	Human Resource Management	Core	12
IM 602	Managerial Economics	Core	12
<i>Module 4</i>			
GM 600	Business Research Methods	Core	12
GM 601	Business Law and Ethics	Core	12
FN 601	Financial Management	Core	12
<i>Module 5</i>			
MK 614	Entrepreneurship and Business Planning	Core	12
GM 602	Strategic Management	Core	12
	Option 1	Option	12
<i>Module 6</i>			
	Option 2	Option	12
	Option 3	Option	12
	Option 4	Option	12
<i>Module 7</i>			
GM 699	Dissertation	Core	90

Specialization Courses

Course Code	Course Name	Core/ Optional	Credits
	Accounting Option		
AC 603	Management Accounting for Decision Making	Optional	12
AC 604	Advanced Auditing and Investigation	Optional	12
AC 605	Advanced Taxation	Optional	12
AC 606	Advanced Financial Reporting	Optional	12
AC 607	Advanced Forensic Accounting and Fraud Investigation	Optional	12
AC 608	Advanced Accounting Information Systems	Optional	12
AC 609	Advanced Corporate Governance and Social Responsibility	Optional	12
AC 610	Accounting for Environment and Natural Resources	Optional	12
AC 611	Advanced Financial Statement Analysis	Optional	12
	Finance Option		
FN 602	Financial Institutions and Markets	Optional	12

Course Code	Course Name	Core/ Optional	Credits
FN 603	Public Sector Financial Management	Optional	12
FN 604	Monetary Theory and Policies	Optional	12
FN 605	International Business Finance	Optional	12
FN 606	Advanced Corporate Finance	Optional	12
FN 607	Financial Planning and Analysis	Optional	12
FN 609	Personal and Social Security Finance	Optional	12
FN 610	Micro Finance	Optional	12
FN 614	Investment Analysis and Portfolio Management	Optional	12
FN 615	Bank Management	Optional	12
	Human Resources		
GM 603	Organization Theory	Optional	12
HR 602	Labour Law	Optional	12
HR 603	Human Resources Planning and Recruitment	Optional	12
HR 606	Industrial Relations	Optional	12
HR 609	Human Resource Training and Development	Optional	12
HR 610	International Human Resources Management	Optional	12
HR 612	Strategic Human Resources Management	Optional	12
HR 613	Performance and Rewards Management	Optional	12
HR 614	Organization Behaviour	Optional	12
	Operations/Procurement		
IM 603	Operations Research	Optional	12
IM 604	Procurement Management	Optional	12
IM 605	Advanced Management Information Systems	Optional	12
IM 623	Total Quality Management	Optional	12
IM 624	Supply Chain Management	Optional	12
IM 626	Project Planning and Management	Optional	12
IM 630	Inventory Management	Optional	12
IM 642	International Procurement Management	Optional	12
	Marketing		
MK 603	Consumer Behaviour	Optional	12
MK 615	Strategic Marketing	Optional	12
MK 606	Marketing Research	Optional	12
MK 607	Marketing Communications	Optional	12
MK 608	International Marketing	Optional	12
MK 610	Marketing of Services	Optional	12
MK 612	Branding and Pricing Strategies	Optional	12
MK 613	Marketing Distribution Systems and Sales Management	Optional	12

Duration

The programme commences in September each year and is run for 24 months (21 months for coursework 3 months for dissertation).

Admission Requirements

1. A first or second class honours degree of the University of Dar es Salaam or its equivalent from an approved university or higher learning institution plus three years of experience as a manager or entrepreneur;

OR

2. Applicants with a pass degree may be considered if:
 - i) they have at least 5 years working experience after graduation, and
 - ii) they have evidence of post graduation training lasting for at least 6 months.

OR

3. An advanced diploma from an accredited higher learning institution with a minimum of upper second class PLUS a postgraduate diploma and at least three years of experience as a manager or entrepreneur;

OR

4. Recognized professional qualification such as ACCA, CA, CPA, CSP, CPSP, CIB, MCIM, CMA plus at least three years of working experience as a manager or entrepreneur.

Duration

The programme is run for 27 months (24 months for coursework and 3 months for dissertation).

Fee Structure

Fees are subject to review from time to time. Please contact the office of the Associate Dean, Postgraduate Studies for a copy of the current fee structure.

Programme Evaluation and Examination

a) Evaluation

Each subject is evaluated by:

- i. Continuous assessment of coursework that carries 60% of the final marks.
- ii. Final examination for each Modular course carries 40% of the final marks.
- iii. The pass marks of each examinable course is a B (50%).

b) 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.

Degree Award

The MBA degree shall not be awarded until both the course work and the dissertation have been satisfactorily completed, graded and the candidate has passed all of them.

MASTER OF ENTREPRENEURSHIP AND ENTERPRISE DEVELOPMENT (MEED)

Introduction

Most government and other actors at the local and central level lack the capacity to enact and sustain a favourable business environment. Capacity shortfalls exist in the areas of policy analysis, review, coordination, monitoring and evaluation; design of interventions; vision, leadership and ownership of the enterprise development and implementation of relevant specific agenda; appreciation of the value of dialogue; and advocacy. The UDDBS has recognized this gap and designed the MEED programme to build the capacity of Tanzanians as change agents to address the above mentioned shortfalls within our economy.

Objective

The objective of the MEED programme is to contribute to the growth and competitiveness of the private and public sectors through building capacity for institutional reform and development. The intention is to develop high-level competencies for enacting an enabling environment for development of entrepreneurship, small enterprises and the private sector in general. The programme develops pertinent theoretical, analytical and practical skills required for change agents in this area.

Target group

The target groups for the programme are individuals who are involved in influencing, developing, implementing, monitoring or evaluating reforms in the area of small business, entrepreneurship or private sector development in Africa. They include people working in central government, local government, government agencies, non-governmental enterprises (NGOs), the private sector, civil society, etc.

Structure and Mode of Delivery

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.

Course Mapping for the MEED Programme:

Module I		
MK 620	Entrepreneurship and Small Business: Context and Process	9
MK 621	Enterprise Development	9
Module II		
GM 620	Regulatory Framework	9
GM 621	Governance	9
GM 622	Policy Analysis Development and Implementation	9
Module III		
GM 623	Policy Research Methodology	9

MK 623	Formalization	9
GM 624	Technology Transfer and Innovation	9
Module IV		
MK 630	Non-Financial Business Development Services (BDS)	9
FN 636	Small Business Finance	9
MK 622	International Trade and E-Commerce	9
Module V		
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

Duration

The programme commences in April each year and runs for 15 months (12 months for coursework 3 months for writing the final project).

Admission Requirements

- i First or second class honours degree from the University of Dar es Salaam or its equivalent from a recognized university; **OR**
- ii Applicants with a pass degree may be considered if:
 - (a) They have at least 5 years working experience after graduation, and
 - (b) They have evidence of post graduation training lasting for at least 6 months.
- iii A Postgraduate Diploma in Entrepreneurship and Enterprise Development (PGDEED) from the University of Dar es Salaam; **OR**
- iv Advanced Diploma from an accredited higher learning institution with a minimum second class upper division plus a Postgraduate Diploma; **OR**
- v A recognized professional qualification in business (e.g. ACCA, CA, CPA, CSP, CPSP, CIB, MCIM, CMA) with acceptable minimum secondary education.
- vi At least two years experience at middle or senior position in a job related to enterprise development.

Duration

The programme runs for 18 months (15 months for coursework and 3 months for the final project).

Fees

Fees are subject to review from time to time. Please contact the Programme Manager for a copy of the current fee structure.

Programme Evaluation and Examination

a) Evaluation

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 marks of each examinable course is a B (50%).

b) 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 final project.

Degree Award

The MEED degree shall not be awarded until both the course work and the project have been satisfactorily completed, graded and the candidate has passed all of them.

MASTER OF INTERNATIONAL TRADE (MIT)

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.

Target group

The targeted beneficiaries of the MIT programme are:

- (a) The public sector. This group comprises the state sectors, including central and local governments, government agencies and authorities. Others are various public and semi-public institutions (Universities, Colleges, Institutes, etc.).
- (b) The non-public sector. This group comprises non-state actors, including private sectors, and civil society in its various forms of manifestation.

Structure and Delivery Mode

The MIT programme builds on a series of interactive lecture-cum-seminars and is delivered on a Modular basis. The theoretical part is augmented by carefully designed practical work that builds on real and simulated practical environment (i.e., Internship/practicum associated with the preparation of two trade papers, a group trade negotiation simulation exercise, and a dissertation) for a total of 81 credits.

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	Modeling 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

Duration

The programme commences in January each year and runs for 18 months (15 months for coursework 3 months for dissertation).

Admission Requirements

- (a) First or second class undergraduate degree of the University of Dar es Salaam, or its equivalent from another approved University or higher learning institution;
- (b) Applicants with an undergraduate pass degree may be considered if:
 - (i) They have at least a 5 years working experience after graduation;
 - (ii) They have evidence of postgraduate training lasting at least 6 months

OR

- (c) Advanced Diploma from an accredited institution of higher learning, with a minimum of Upper Second class division; PLUS, a Postgraduate Diploma.

OR

- (d) A recognized professional qualification in business (e.g. ACCA, CA, CPA, CSP, CIB, MCIM, CMA) with acceptable minimum secondary education.

AND

- ◆ At least three years working experience

Fee Structure

Fees are subject to review from time to time. Please contact the Office of the Associate Dean for Postgraduate Studies for a copy of the current fee structure.

Programme Evaluation and Examination

a) Evaluation

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 marks of each examinable course is a B (50%).

b) 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.

Degree Award

The MIT degree shall not be awarded until both the course work and the dissertation have been satisfactorily completed, graded and the candidate has passed all of them.

MASTER OF INTERNATIONAL BUSINESS (MIB)

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 program focuses on the essential knowledge, skills, and management techniques required by managers in different sectors to work in international organizations and environments. The MIB degree program is designed to acquaint students with contemporary knowledge and skills in business disciplines while focusing on international arena.

Target group

The targeted beneficiaries of the programme are all stakeholders in the country’s economy. The three main groups of beneficiaries are:

- (a) The private sector: private universities, colleges, multinationals, export oriented companies etc.
- (b) The public sector: Central government, local governments, government agencies and authorities, universities, government institutes and colleges.
- (c) The Civil society: Local and International NGOs, trade associations, etc.

Structure and Delivery Mode

The MIB programme builds on a series of interactive lecture-cum-seminars and is delivered on a Modular basis. The theoretical part is augmented by carefully designed practical work that builds on real and simulated practical environment (i.e., Internship/practicum associated with the preparation of two business papers, a group business negotiation simulation exercise, and a dissertation) for a total of 78 credits.

Course Mapping for the MIB 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
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

Duration

The programme commences in January each year and runs for 18 months (15 months for coursework 3 months for dissertation).

Admission Requirements

- (a) First or second class undergraduate degree of the University of Dar es Salaam, or its equivalent from another approved University or higher learning institution;
 - (b) Applicants with an undergraduate pass degree may be considered if:
 - (i) They have at least a 5 years working experience after graduation;
 - (ii) They have evidence of postgraduate training lasting at least 6 months
- OR

- (c) Advanced Diploma from an accredited institution of higher learning, with a minimum of Upper Second class division; PLUS, a Postgraduate Diploma.
OR
- (d) A recognized professional qualification in business (e.g. ACCA, CA, CPA, CSP, CIB, MCIM, CMA) with acceptable minimum secondary education.
AND
- ♦ At least three years working experience

Fee Structure

Fees are subject to review from time to time. Please contact the Office of the Associate Dean for Postgraduate Studies for a copy of the current fee structure.

Programme Evaluation and Examination

Evaluation

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 marks of each examinable course is a B (50%).

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 final project.

Degree Award

The MIB degree shall not be awarded until both the course work and the dissertation have been satisfactorily completed, graded and the candidate has passed all of them.

MASTER OF SCIENCE IN INTERNATIONAL TRANSPORT AND LOGISTICS

This is a collaborative degree programme between the University of Dar es Salaam Business School and 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.

Target group

The target group for the programme are people working in all areas of management, business, engineering, economic and science.

Structure and Delivery Mode

The curriculum for the four semesters comprises the following:

Course Mapping for the Master of Science in International Transport and Logistics Programme:

Module 1: Core Course (Compulsory)		
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 (Compulsory)		
IM 635	Operations Management	12
FN 222	Investment Analysis	12
IM 604	Procurement Management	12
IM 624	Supply Chain Management	12
GM 604	Business Research Methods	12
Module 3: Three Core (Compulsory) Courses		
GM 602	Strategic Management	12
TR 634	International Transport Law	12
TR 654	Seaports and Terminal Management	12
Two Electives (Option) 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
Modules 4		
GM 699	Dissertation	90

Admission Requirements

To qualify for admission, applicants must be:

1. Holders of a first or second class honors degree of the University of Dar es salaam or its equivalent from another recognized University in areas related to business, mathematical related degrees logistics and natural sciences **OR**
2. Candidates with a pass degree in relevant areas may be considered if they have at least 5 years working experience after graduation, and they have evidence of post graduate training lasting at least 6 months **OR**
3. Holders of an Upper Second Advanced Diploma from an accredited higher learning institution PLUS a Postgraduate Diploma **OR**
4. Candidates have a recognized professional qualification such as ACCA, CA, CPA, CSP, CIB, MCIM, CMA
And
5. A two (2) years working experience in the transport and logistics management field. Special consideration may be given for those working in academic or training institutions who do not have the requisite 2 years experience.

Fee structure

Fees are subject to review from time to time. Please contact the Office of the Associate Dean for Postgraduate Studies for a copy of the current fee structure.

MASTER OF FINANCE AND ACCOUNTING IN OIL AND GAS

Target group

The target groups for the programme are people working in all areas of management, business, and economics who will be involved in oil and gas.

Structure and Delivery Mode

The curriculum for the threesemesters comprises the following:

Course Mapping

<i>Course Code</i>	<i>Course name</i>	<i>Credits</i>
Year 1		
Semester 1		
AC 600	Financial and Managerial Accounting	10
FN 601	Financial Management	10
GM 600	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 2		
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
	<i>Options Basket</i>	
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 1		
<i>Code</i>	<i>Course name</i>	
GM 699	Dissertation	60

Admission Requirements

University of Dar es Salaam regulations will apply for this program. The applicants seeking admission to the Master of Finance and Accounting in Oil and Gas must have either of the following qualifications:

- 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/ universities;
- ii. A pass degree (in the area of commerce and management (or business administration), economics and actuarial science from recognised higher learning institutions/ universities) and 2 (two) years' work experience after graduation plus postgraduate training of at least 6 (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 post graduate diploma; or/and
- 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 2 years experience in areas related to the oil and gas industry.
- v. Fee structure

Fees are subject to review from time to time. Please contact the Office of the Associate Dean for Postgraduate Studies for a copy of the current fee structure.

POSTGRADUATE DIPLOMA PROGRAMMES OFFERED BY UDBS

The University of Dar es Salaam Business School (UDBS) offers the following postgraduate diplomas:

POSTGRADUATE DIPLOMA IN ENTREPRENEURSHIP AND ENTERPRISE DEVELOPMENT (PGDEED)

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.

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.

Target group

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.

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 specialize by function, learners must develop integrated knowledge of business, rather than specialized knowledge of functional areas.

In order to develop the targeted competencies, the following courses are offered:

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

Admission Requirements

Applicant must have at least an Advanced Diploma, a Professional qualification such as ACCA, CA, CPA, CSP, CIB, MCIM, CMA, ADB etc or a Bachelors Degree in any field of study plus at least 2 years work experience.

Duration

The programme runs for 18 months (15 months for coursework and 3 months for the final project).

Fees

Fees are subject to review from time to time. Please contact the Programme Manager for a copy of the current fee structure.

Application Forms

University of Dar es Salaam only receives online application forms available at aris2.udsm.ac.tz/pgoa

DOCTOR OF PHILOSOPHY IN OPERATIONS RESEARCH (PhD OR)

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.

Objective

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, and applies appropriate operations research techniques, and conduct training and advocacy activities from their operations research findings.

Target group

The target group for the programme is graduates who aspire to build their capacity and career in operations research.

Structure and Mode of Delivery

The programme has 9 courses and runs on modular basis

Course Code	Course Name	Core/ Optional	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 optional courses)			
IM 706	Research Methodology – Qualitative	Core	20
MK 700	Marketing Management Modelling	Optional	20
IM 707	Special OR Topics in Transportations	Elective Optional	20
IM 708	Special OR Topics in Management Information Systems	Optional	20
IM 709	Special OR Topics in Operations Management	Optional	20
FN 700	Special OR Topics in Finance	Optional	20

Module 4			
IM 798	Comprehensive Examination	Optional	0
	Module 6		
IM 799	Dissertation	Optional	360

Admission Requirements

Masters degree of the University of Dar es Salaam, Nairobi University, Makerere University or an equivalent Masters degree from other recognized institutions of higher learning with bias in Business, Science (including Mathematics), Engineering, Economics or Statistics. In addition, applicants must have a sufficient knowledge of Quantitative Analysis (equivalent to MS600), Information Technology (equivalent to MS603), Research Methodology Course (equivalent to MS604) and OR (equivalent to MS606). Depending on courses to opted, candidate may equally require Marketing Management (MK600) and Financial Management (FN601).

Duration

The programme runs for 48 months.

Fees

Fees are subject to review from time to time. Please contact the Programme Manager for a copy of the current fee structure.

Application Forms

University of Dar es Salaam only receives online application forms available at aris2.udsm.ac.tz/pgoa

DOCTOR OF PHILOSOPHY IN MANAGEMENT(PhDM)

Introduction

The PhD Program 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.

Objective

The objective of this programme is to provide graduates with the cutting-edge operations research tools and knowledge nee 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. Emphasis is placed on the following learning objectives:

- i. To provide a solid theoretical foundations in management and especially of the area of specialization of the candidate.
- ii. To develop individuals capable of conducting original research in areas of management research relevant to the Tanzanian development.
- iii. To develop individuals capable of knowledge creation and application of knowledge to solve relevant management challenges facing local and global companies and institutions.
- iv. To develop the candidate's teaching and facilitating skills. Ded 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, and applies appropriate operations research techniques, and conduct training and advocacy activities from their operations research findings.

Target group

The target group for the programme is graduates who aspire to build their capacity and career in management.

Structure and Mode of Delivery

The programme has 9 courses and runs on modular basis

Year 1: Trimester 1		Core/ Optional	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 2			
GM 700	Organization Theory	Core	20
IM 704	Research Methodology – Quantitative	Core	20
	Elective No. 1	Optional	20
Year 1: Trimester 3			
IM 706	Research Methodology – Qualitative	Core	20
	Elective No. 2	Optional	20
	Elective No. 3	Optional	20
Year 2 to Year 4			
GM 798	Comprehensive Examination	Core	0
GM 799	Dissertation	Core	360
	<i>Marketing Option (three courses)</i>		
MK 702	Marketing Philosophy, Theory and Models	Optional	20
MK 703	Contemporary Research in Marketing	Optional	20
MK 704	Contemporary Issues in Logistics and Supply Chain Management	Optional	20
MK 705	Sustainable Development	Optional	20
MK 706	Internationalization of the Firm	Optional	20
	<i>Human Resources Management Option (three courses)</i>		
HR 700	Contemporary Issues in People Management	Optional	20
HR 701	Performance Management	Optional	20
HR 702	Social and Psychological Aspects of Organizational Behaviour	Optional	20
HR 703	Project Management	Optional	20
HR 704	Human Resource Economics	Optional	20

Year 1: Trimester 1		Core/ Optional	Credits
HR 705	Managing in Cross Cultural Environments	Optional	20
HR 706	Organizational Change and Development	Optional	20
HR 707	Industrial Relation & Legal Applications	Optional	20
HR 708	Seminar Series in Human Resource Management	Optional	20
	<i>Accounting Option (three courses)</i>		
AC 700	Financial Accounting Research	Optional	20
AC 701	Management Accounting	Optional	20
AC 702	Auditing and Governance	Optional	20
AC 703	Taxation	Optional	20
AC 704	Research Methods in Accounting	Optional	20
AC 705	Public Sector Accounting	Optional	20
	<i>Finance Option (three courses)</i>		
FN 701	Quantitative Financial Economics	Optional	20
FN 702	Corporate Finance	Optional	20
FN 703	Money and Banking	Optional	20
FN 704	Derivative Markets	Optional	20
FN 705	Public Finance	Optional	20
FN 706	International Finance	Optional	20
FN 707	Behavioural Finance	Optional	20
	<i>General Management Option (three courses)</i>		
GM 703	Strategic Management	Optional	20
FN 701	Quantitative Financial Economics	Optional	20
IM 700	Statistical Management Decision Making Tools	Optional	20
IM 710	Topics in Technology and Operations Management	Optional	20
HR 700	Contemporary Issues in People Management	Optional	20
MK 702	Marketing Philosophy, Theory and Models	Optional	20
IM 711	Management Information Systems	Optional	20
FN 703	Money and Banking	Optional	20
	<i>Tourism Management Option (three courses)</i>		
TH700	Strategic Tourism and Hospitality Management	Optional	20
TH701	Tourism and Hospitality Research Topics and Methods	Optional	20
TH702	Methodology for Quality in Tourism Education	Optional	20
TH 703	Tourism Destination Management	Optional	20
TH 704	Time Series Analysis and Forecasting In Tourism	Optional	20

Year 1: Trimester 1		Core/ Optional	Credits
<i>Agribusiness Option (three courses)</i>			
MK 705	Sustainable Development	Optional	20
MK 706	Internationalization of the Firm	Optional	20
MK 707	Gender & Agribusiness Entrepreneurship	Optional	20
MK 708	Contemporary Issues on Agribusiness and Agricultural Value Chain Analysis	Optional	20
MK 709	Rural Entrepreneurship	Optional	20
MK 710	Dissertations in Entrepreneurship- A critical Review	Optional	20

Admission Requirements

A candidate for admission into the Doctor of Philosophy degree programme of the University of Dar es Salaam shall hold the following qualifications:

- a) Masters degree of the University of Dar es Salaam or an equivalent Masters degree from a recognised institution of higher learning in any area of management; or

Duration

The programme runs for 48 months.

Fees

Fees are subject to review from time to time. Please contact the Programme Manager for a copy of the current fee structure.

Application Forms

University of Dar es Salaam only receives online application forms available at aris2.udsm.ac.tz/pgoa

UDBS STAFF LIST

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Principal Administrative Officer

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Lecturer and Coordinator, Career Counseling and Practical Training

F. George, BCom (Makerere), MSc (Mzumbe), PhD (Dong-A)

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Department of Accounting

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*M. Wilson, Bcom, MBA (Dar), CPA (T)
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E. Christopher, BCom (Dar), CPA (T)

Department of Finance

Lecturer and Head

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N. Mori, BCom, MBA (Dar), PhD (Agder)

Lecturers

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G. Martin, BCom, MA (Dar), PhD

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*J. Kimario, BCom, MBA (Dar)
*T. Busagara BCom, MBA (Dar)
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*A. Mdewa, BCom, MIT (Dar)
*G. Christopher, BCom (Dar)
G. Mboya, BA, MA (Dar)
M. Mathias, BSc (Dar)
*R. Samson, BSc (Dar)

Tutorial Assistants

None

Department of General Management

Senior Lecturer and Head

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Associate Professors

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***F. Michael, Dip. (Ed.) (Marangu), BA, MBA (Dar), Licentiate of Philosophy (Umea), SPGD in Law, PhD (Dar)

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T. Dominic, BSc (SUA), MBA (Dar), PhD (Göttingen)

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*V. Wilson, BCom, MBA (Dar)

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Z. G. Mwakila BA. PSPA (Dar)

Department of Marketing

Senior Lecturer and Head

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*D. Rwehikiza, BCom, MITL (Dar)
*B. E. Moshy, BCom (Makerere), MA (Westminster)

Tutorial Assistant

* P. S. Maleto, B.Com (Dar)

Accountants

E. C. Mbekomize, B.Com (UDSM); CPA (T)
E. Mwakemwa
A. Mwaipaga

Procurement Officer

P. Kuhanga, DipBA, ADMA (CBE), CPSP (T), MBA (Mzumbe)

Office Management Secretary (OMS), Dean
G. J. Sembua

Secretary, Associate Dean

Secretary, Postgraduate Studies
F. Andrew

Secretary, Accounting
C. M. Kambeju

Secretary, Finance
P. Ngole

Secretary, General Management
C. Muzale Adv. Dipl, Dipl. Secretarial Studies

Secretary, Marketing
J. Mbonge

Clerical Officer
C. Andrew

Library Assistant
R. C. Chipa
A. L. Mchome

Drivers
D. Shomari
B. Mbuya

* On Study Leave

**On Sabbatical Leave

*** On Leave of Absence/Secondment

UNIVERSITY OF DAR ES SALAAM SCHOOL OF LAW (UDSoL)

INTRODUCTION

The UDSM School of Law (UDSoL) has three Departments which superintend the various courses that are offered to candidates. These Departments are: Public Law Department, Private Law Department and Economic Law. Each Department superintends the teaching and management of specified courses.

Programmes Offered

The University of Dar es Salaam School of law offers Postgraduate Diplomas, Master and PhD programmes in Law as indicated in the table below:

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs.)	Non-Tanzanian (US\$)
Doctor of Philosophy (PhD) in Law	Thesis	Fulltime	36 months	3,000,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Law	Thesis	Part time	60 months	3,000,000 per year	4,020 per year
Postgraduate Diploma in Law (PGDL)	Coursework and Report	Fulltime	12 months	2,500,000	4,020
Specialised Postgraduate Diploma in Law (SPGDL)	Coursework and Report	Fulltime	12 months	2,500,000	4,020
Master of Laws (LL.M.)	Coursework and Dissertation	Fulltime	18 months	5,000,000	6,030
Master of Laws (LL.M.)	Thesis	Fulltime	24 months	7,000,000	8,040
Master of Arts in Revenue Law and Administration	Taught LL.M.	Fulltime	18 months	7,000,000	8,040
Master of Laws in Corporate and Commercial Law	Taught LL.M.	Evening	18 months	5,000,000	6,030
Master of Laws in Taxation	Taught LL.M.	Evening	18 months	5,000,000	6,030
Master of Laws in Migration and Refugee Law	Taught LL.M.	Evening	18 months	5,000,000	6,030
Master of Laws in Procedural Law and International Legal Practice	Taught LL.M.	Evening	18 months	5,000,000	6,030
Master of Laws in Intellectual Property Law	Taught LL.M.	Evening	18 months	5,000,000	6,030
Taught Master of Intellectual Property (MIP)					
Taught LL.M. in Regional Integration and East African Community Law	Taught LL.M.	Evening	18 months	5,000,000	6,030
Master of Laws in Oil and Gas Law	Taught LL.M.	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 LL.B. degree, and a Specialized Postgraduate diploma in Law (SPGDL) for holders of degrees other than Bachelor of Laws (LL.B.).

The duration of the programme shall be two semesters involving full time attendance.

The Diploma shall be graded on a pass or fail basis.

Admission Requirements

Postgraduate Diploma in Law (PGDL)

To be considered for admission to this Programme, a candidate must be a holder of the LL.B. degree of the University of Dar es Salaam or an accredited University or has satisfied the requirement of the award of such degree.

Specialized Postgraduate Diploma in law (SPGDL)

SPDGL is designed to provide specialized training in specific fields of law to holders of degrees other than the LL.B. The Primary objective of the SPGDL is to familiarize the student with the essentials of the law pertinent to one's area of professional work and responsibilities.

To be considered for admission to this Programme, a candidate must be a holder of a 1st degree of the University of Dar es Salaam or an accredited University or has satisfied the requirements for the award of the degree.

COURSE STRUCTURE AND EXAMINATIONS

Postgraduate Diploma in Law

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. A candidate shall be required to select two courses from the list of courses for the LL.M. Degree or one course from that list and such number of courses from the undergraduate courses whose total credits shall 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 LL.M. course selected. Where a candidate takes an undergraduate course, regulations relating to undergraduate courses shall apply provided that the pass grade is "B". Where a candidate fails in one course, he/she may on the recommendation of the School Board be permitted to re-sit the examination in that course at a supplementary examination. Where a candidate fails two or more courses he/she shall be discontinued.

In order for a Postgraduate Diploma in Law candidate to graduate he/she must complete minimum of 120 credits obtained from courses selected by the candidate in the LL.M. list, including Jurisprudence, where applicable.

Specialised Postgraduate Diploma in Law, SPGDL

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) optional courses from the list of the courses approved by the School Board for that 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 optional courses in order to qualify for an award of SPGDL. Examinations for SPGDL shall consist of written examination and coursework.

MASTERS PROGRAMMES

There are two Master of Laws programmes at the University of Dar es Salaam School of Law: Regular Master of Laws (LL.M.) and specialised Taught Master of Laws.

MASTER OF LAWS (LL.M.) – BY COURSEWORK AND DISSERTATION

Programme Structure

The Master of Laws (LL.M. Coursework and Dissertation) is a specialized 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 LL.M. Programme.

The total credits for LL.M. (Coursework and Dissertation) shall be 180 credits comprising of 120 credits from four compulsory courses and four elective/optional courses, and 60 credits derived from dissertation after conducting a thorough field/empirical research. The Coursework credits must be completed prior to an LL.M. Candidate being permitted to proceed to dissertation part.

Entry Requirements

To be considered for admission to this programme, a candidate must be a holder of the LL.B. Degree of the University of Dar es Salaam or an accredited University or has satisfied the requirements for the award of such degree PROVIDED the said LL.B. Degree shall be of a GPA of 3.0 or above.

Every applicant shall, when lodging an application for admission, indicate the category of LL.M. he/she intends to pursue and courses (where relevant) to be taken.

Duration and Programme Format

The LL.M. programme traditionally shall be completed within 18 months, the 12 months for coursework part of the programme and 6 months for dissertation writing part of the programme.

Objectives of the Programme

General Objectives

The general objective of LL.M. by Coursework and Dissertation is to provide trainees with both advanced and specialised knowledge and skills in selected areas of legal studies.

Specific Objectives

The specific objectives of the LL.M. by Coursework and Dissertation are to:

- ◆ provide advanced training specific to selected areas of law;
- ◆ provide advanced theoretical foundations with regard to selected areas of study;
- ◆ expose students to advanced legal research skills; and
- ◆ provide trainees with knowledge of the rules, procedures and skills for solving day to day complex legal problems.

Courses offered

A. Public Law Stream

Core Courses

Code	Course Title	Credits
LW 677	Advanced Civil Procedure	15
LW 678	Advanced Criminal Procedure	15
LW 679	Advanced EvidenceLaw	15
LW 616	Graduate research Seminar	15

LW 699	LL.M. Dissertation	60
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Optional Courses (minimum of 4 courses)

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

B. Economic Law Stream Core Courses

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	LL.M. Dissertation	60

Optional Courses (minimum of 4 courses)

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

C. Private Law Stream

Core Courses

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	LL.M. Dissertation	60

Optional Courses (minimum of 4 courses)

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

Assessment

For courses in which a candidate opts to proceed by way of class/lecture attendance, assessment shall be done through two complementary methods, namely Continuous Assessment (CA) and final University Examination (UE). 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. The final University Examination shall be allocated the remaining 60% of the total marks for the courses. The pass mark for all the courses shall be 50%.

For a candidate who opts to proceed by way of advanced research papers (as opposed to lecture/class attendance), the papers 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%.

MASTER OF ARTS IN REVENUE LAW AND ADMINISTRATION (M.A. RLA)

Programme Structure

Uniquely interdisciplinary, the course aims at creating a cadre of leaders equipped with refined, specialized professional knowledge that would enable them re-position their respective organizations to meet the demands of today's dynamic global economy.

Entry Requirements

To be considered for admission to this programme, a candidate must be a holder of the bachelor degree in law, accountancy, finance, economics or any other related field from the University of Dar es Salaam or an accredited University or has satisfied the requirements for the award of such degree PROVIDED the said bachelor degree shall be of GPA of 2.7 or above.

For an applicant with a pass degree may be considered for admission if satisfies the University of Dar es Salaam School of Law that applicant has work experience of more than six months since graduation.

OR

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 he/she 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.

OR

A bachelor's degree or equivalent qualification in taxation, accounting, economics, law or any business related discipline without a post graduate diploma in taxation (or equivalent qualification) may be admitted provided that he/she scored at least upper second class at undergraduate.

Objectives of the Programme

General Objectives

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.

Specific Objectives

The specific objectives of the taught Master of Arts in Revenue Law and Administration are the following:

- ◆ Acquainting candidates with knowledge, skills, attitudes and capabilities on taxation or customs policies and practices, depending on one's specialisation;

- ◆ Enabling candidates make substantive and more effective contribution to tax or customs administration;
- ◆ Enabling candidates offer effective contribution in the process of tax or customs reforms and its processes;
- ◆ Enabling candidates plan and implement more effective taxation or customs policies and strategies;
- ◆ Enabling candidates be problem solvers on taxation or customs related matters; and
- ◆ Enabling candidates perform new tasks relating to taxation or customs in a globalised economy.

Duration and Programme Format

The Master of Arts in Revenue Law and Administration is a full-time (evening), 18 month programme, combining coursework and a graduate essay. The programme is also structured to enable candidates to graduate with either the taxation major or the 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.

Taxation

Core Courses

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

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

Optional Courses (minimum of 4 courses)

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
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Customs

Optional Courses (minimum of 4 courses)

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

Assessment

Save for the Graduate Essay, all the courses in the Master of Arts in Revenue Law and Administration shall be assessed through a combination of continuous assessment (coursework) and final university examination. The coursework is set to have 40% and the final written examination carries 60%. The Graduate Essay shall be marked out of 100%.

Each course will be examined separately and passed at the level of B grade aggregated from the coursework and the final course examination.

TAUGHT LL.M. PROGRAMMES

The programme may be taken in eighteen 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 a prescribed list of mandatory, core courses; students are free to choose a combination of optional courses best suited to their respective professional needs and personal interests.

The award of the Taught LL.M. degree will only follow, upon successful completion of examinations in the appropriate number of courses, and a Graduate Essay.

TAUGHT LL.M. IN CORPORATE AND COMMERCIAL LAW

Structure of the Programme

The LL.M. 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 optional courses selected from a designated list. All the taught courses offered under the programme shall be worth 15 credits save for the Graduate Essay which shall carry 60 credits.

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 LL.M. 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 recognized University with a GPA of 2.7.

A candidate with a pass degree may also be considered for admission if his/her undergraduate GPA was at least 2.5 and he/she has satisfied the University of Dar es Salaam-School of Law with the applicant's academic potential through subsequent work or research experience and/or additional training.

Objectives of the Programme

General Objectives

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.

Specific Objectives

The specific objectives of the taught Master of Laws in Corporate and Commercial Law are the following:

- ◆ Introducing new dimensions of the legal issues on corporate and business transactions.
- ◆ Explaining the legal and policy implications of bilateral and multilateral trading framework.
- ◆ Demonstrating the trends and dynamic nature of the corporate and business law.
- ◆ Studying corporate and commercial law in the light of information, communication and technology revolution

Duration of the Programme

The Taught LL.M. in Corporate and Commercial Law is a full-time (evening), 18 month programme, combining coursework and a graduate essay. The coursework part of the programme should ordinarily be completed within period of two semesters. The Graduate Essay component is undertaken hand in hand with other courses in the programme especially from the second semester in order to ensure that students graduate within 18 months of enrolment.

Core Courses

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

Optional Courses (minimum of 3 courses)

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 600series	Course(s) from other LL.M. programmes subject to approval by respective programme coordinators.	15

Assessment

Each course in the LL.M. in Corporate and Commercial Law programme shall be assessed through coursework (continuous assessment) and final university examination. The coursework will be assessed on the basis of seminar presentations and individual assignment (take-home assignment). Coursework shall carry 40% of the overall marks and final examination shall carry 60%.

TAUGHT LL.M. IN TAXATION

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 units for elective courses and the remaining 60 credits for a Graduate Essay.

Entry Requirements

To be considered for admission into LL.M. in Taxation, a candidate must be a holder of the LL.B. degree of the University of Dar es Salaam or an equivalent from an accredited University 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 his/her undergraduate GPA was at least 2.5 and he/she has satisfied the University of Dar es Salaam School of Law with the applicant's academic potential through subsequent work or research experience and/or additional training for at least a period of six months.

Objectives of the Programme

General Objectives

The main objective of this course is to train graduate students on the principles and the law on income taxation. Students will also acquire complete skills in the understanding and application of the income tax law and its future developments.

Specific Objectives

The specific objectives of the Taught LL.M. in Taxation are to:

- ◆ produce a tax law practitioner who is fully versed to handle most of the aspects of tax law covering the different taxes, skills in tax litigation, tax prosecutions and how taxation relates to other socio-political and economic systems;
- ◆ develop a cadre of skilled tax law practitioners, tax consultants and competent tax personnel to public institutions, the Government and the private sector;
- ◆ promote and develop postgraduate tax law education in Tanzania and beyond;
- ◆ create awareness of the need for in-depth research in tax law and
- ◆ To promote interest and research in tax law.

Duration of the Programme

The Taught LL.M. in Taxation is a full-time (evening), 18 month 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.

Core Courses

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

Optional Courses (minimum of 3 courses)

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

Assessment

Save for the Graduate Essay, all the courses in the Taught LL.M. in Taxation shall be assessed through a combination of continuous assessment (coursework) and final university examination. The coursework is set to have 40% and the final written examination carries 60%. The Graduate Essay shall be marked out of 100%.

Each course will be examined separately and passed at the level of B grade aggregated from the coursework and the final course examination.

TAUGHT MASTERS IN IN MIGRATION AND REFUGEE LAW

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 units for elective courses and the remaining 60 credits for a Graduate Essay.

Entry Requirements

The admission process will follow the guidelines provided by the Tanzania Commission of Universities (TCU). For admission to the Masters in Migration and Refugee Law Programme, applicants must hold an honours Degree in Law, Law Enforcement or any related degree of the University of Dar es Salaam or an equivalent degree from another university accredited by TCU with a GPA of 2.7 and above.

Objectives of the Programme

General Objectives

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 is East Africa, in the continent and at global levels. 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 taking into account the context and obtaining circumstances of Tanzania and its regional economic organisations as well as the Africa region.

Specific Objectives

The specific objectives of the Master in Migration and Refugee Law are to:

- ◆ promote and develop migration management education in Tanzania and the East African sub-regional as whole;
- ◆ expose the students with a comprehensive and detailed understanding of the legal norms and instruments applicable to all international migratory movements;
- ◆ impart to students practical skills for day to day implementation and enforcement of migration related laws;
- ◆ stimulate interest in research in matters of migration and refugee law as well as migration management in general;
- ◆ create a pool of specialists in the field of migration and refugee law to serve in governments, international and national organizations as well as academics in institutions of higher learning;
- ◆ train future academics in the field of migration and refugee law and
- ◆ fulfil the UDSM vision of prioritizing postgraduate training and increasing enrolment of postgraduate students.

Duration of the Programme

The Taught LL.M. in Migration and Refugee Law is a full-time (evening), 18 month programme, combining coursework and a graduate essay. The coursework part of the programme should ordinarily be completed within 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.

Core Courses

Code	Course Title	Credits
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

Optional Courses (minimum of 3 courses)

Code	Course Title	Credits
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 LL.M. programmes subject to approval by the respective course coordinators.	15

Assessment

Coursework shall carry 40% while the University Final Examination will carry a total of 60% marks. The Coursework component will consist of individual assignment weighing 20% marks and a tutorial seminar weighing 20%. In lieu of a tutorial seminar, students may do a test for duration of 1 hour which will weigh 20 marks.

TAUGHT LL.M. IN PROCEDURAL LAW AND INTERNATIONAL LEGAL PRACTICE

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 units for elective courses and the remaining 60 credits for a Graduate Essay.

Entry Requirements

To be considered for admission into this programme, a candidate must be a holder of the LL.B. degree of the University of Dar es Salaam or an equivalent from an accredited University, or has satisfied the requirements of such degree, PROVIDED that the said LL.B. degree shall be a minimum GPA of 2.7 or above.

Objectives of the Programme

General Objectives

The general objective of the taught LL.M. in Procedural Law and International Legal Practice is to provide 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.

Specific Objectives

The specific objectives of the LL.M. in Procedural Law and International Legal Practice are to:

- ◆ provide advanced training specific procedural issues in criminal trials and civil litigation;
- ◆ expose students to procedures applicable in proceedings before specialised branches of the High Court and other judicial bodies;
- ◆ provide trainees with knowledge of the rules, procedures and skills, for settling commercial disputes before international disputes settlement mechanisms and
- ◆ equip trainees with knowledge of rules and procedures followed before international public law bodies including regional courts, human rights bodies and international criminal tribunals.

Duration of the Programme

The Taught LL.M. in Procedural Law and International Legal Practice is a full-time (evening), 18 month programme, combining coursework and a graduate essay. The coursework part of the programme should ordinarily be completed within 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.

Core Courses

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

Optional Courses (minimum of 3 courses)

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

Assessment

Students will be assessed through two complementary methods. Coursework shall carry 40% while the University Final Examination will carry a total of 60% marks. The Coursework component will consist of individual assignment weighing 20% marks and a tutorial seminar weighing 20%. In lieu of a tutorial seminar, students may do a test for duration of 1 hour which will weigh 20 marks.

TAUGHT LL.M. IN INTELLECTUAL PROPERTY LAW

Structure of the Programme

The programme is structured around a total of seven (7) taught courses. These include five (5) compulsory 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 units for elective courses and the remaining 60 credits for a Graduate Essay.

Entry Requirements

To be considered for admission into this programme, a candidate must be a holder of the LL.B. degree of the University of Dar es Salaam or an equivalent from an accredited University, or has satisfied the requirements of such degree, PROVIDED that the said LL.B. degree shall be a minimum GPA of 3.0.

Candidate with the LL.B. degree with at least a GPA of 2.7 may be considered for admission if he or she has satisfied the University of Dar es Salaam School of Law with his or her academic potential through subsequent work or research experience and/or additional training

Objectives of the Programme

General Objectives

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 taking

into account the context and obtaining circumstances in a particular environment.

Specific Objectives

The specific objectives of the LL.M. in Intellectual Property Law are the following:

- ◆ Equipping students with substantive understanding and application of intellectual property rights at the local, regional and international levels.
- ◆ Enabling students to understand the protection mechanism and the various commercialization options of the IP assets available to creators and users of IP related assets.
- ◆ Imparting negotiation skills in technology transfer and investment agreements, in particular on the role of intellectual property rights in such deals.
- ◆ Preparing 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.
- ◆ Empowering students with knowledge and skills in critical analysis of international, regional and national intellectual property rights policies and trade regulations.
- ◆ Providing education and training in intellectual property rights.
- ◆ Providing 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.
- ◆ Providing students education with comprehensive knowledge in intellectual property rights that will allow them to be successful in their chosen careers.
- ◆ Conducting basic and applied research that provides fundamental knowledge about intellectual property rights.
- ◆ Providing graduates with adequate knowledge and skills to enable them to assist inventors of new products and processes and creators of artistic works to protect their invention and harness value from their creative works.

Duration of the Programme

The Taught LL.M. in Intellectual Property Law is a full-time (evening), 18 month programme, combining coursework and a graduate essay. The coursework part of the programme should ordinarily be completed within 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.

Core Courses

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

Optional Courses (minimum of 2 courses)

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

Assessment

Each course in the LL.M. in Intellectual Property Law programme shall be assessed through coursework (continuous assessment) and final university examination. The coursework will be assessed on the basis of seminar presentations and individual assignment (take-home assignment). Coursework shall carry 40% while the University Final Examination will carry a total of 60% marks. The Coursework component will consist of individual assignment weighing 20% marks and a tutorial seminar weighing 20%. In lieu of a tutorial seminar, students may do a test for duration of 1 hour which will weigh 20 marks.

TAUGHT MASTER OF INTELLECTUAL PROPERTY (MIP)

Structure of the Programme

The programme is structured around a total of seven (7) taught courses. These include five (5) compulsory 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 units for elective courses and the remaining 60 credits for a Graduate Essay.

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 applicants should be a holder of any bachelor degree from an accredited institution with at least the GPA of 2.7.

Objectives of the Programme

General Objectives

The underlying overall objective of the Program 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 taking into account the context and obtaining circumstances of the region.

Specific Objectives

The specific objectives of the Master of Intellectual Property are the following:

- ◆ Equipping students with substantive understanding and application of intellectual property rights at the local, regional and international levels.
- ◆ Enabling student, understand the protection mechanism and the various commercialization options of the IP assets available to creators and users of IP related assets.
- ◆ Imparting negotiation skills in technology transfer and investment agreements, in particular on the role of intellectual property rights in such deals.

- ◆ Preparing 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.
- ◆ Empowering students with knowledge and skills in critical analysis of international, regional and national intellectual property rights policies and trade regulations.
- ◆ Providing education and training in intellectual property rights;
- ◆ Providing 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.
- ◆ Providing students education with comprehensive knowledge in intellectual property rights that will allow them to be successful in their chosen careers.
- ◆ Conducting basic and applied research that provides fundamental knowledge about intellectual property rights.
- ◆ Providing graduates with adequate knowledge and skills to enable them to assist inventors of new products and processes and creators of artistic works to protect their invention and harness value from their creative works.

Duration of the Programme

The Taught Master of Intellectual Property is a full-time (evening), 18 month programme, combining coursework and a graduate essay. The coursework part of the programme should ordinarily be completed within 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.

Core Courses

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

Optional Courses (minimum of 2 courses)

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

Assessment

Each course in the MIP Program shall be assessed through coursework (continuous assessment) and final university examination as per the attendant/existing Examination Regulations of the University of Dar es Salaam. The coursework will be assessed on the basis of seminar presentations and individual assignment (take-home assignment). Coursework shall carry 40% while the University Final Examination will carry a total of 60% marks. The Coursework component will consist of individual assignment weighing 20% marks and a tutorial seminar weighing 20%. In lieu of a tutorial seminar, students may do a test for duration of 1 hour which will weigh 20 marks. The pass mark for all the courses under the MIP Program shall be B (50% of the total marks).

TAUGHT LL.M. IN REGIONAL INTEGRATION AND EAST AFRICAN COMMUNITY LAW

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 Dissertation. Students will be required to complete 180 credits. Of these 180 credits, 75 credits will be for compulsory courses, 45 units for elective courses and the remaining 60 credits for a Dissertation.

Entry Requirements

To be considered for admission into this programme, a candidate must be a holder of the LL.B. degree of the University of Dar es Salaam or an equivalent from an accredited University, or has satisfied the requirements of such degree, PROVIDED that the said LL.B. degree shall be a minimum GPA of 3.0 or above.

Candidate with the LL.B. degree with at least a GPA of 2.7 may be considered for admission if he or she has satisfied the University of Dar es Salaam School of Law with his or her academic potential through subsequent work or research experience and/or additional training.

Objectives of the Programme

General Objectives

The general objective of the LL.M. in Regional Integration and East African Community Law programme is to equip trainees with both advanced and specialized knowledge in regional and EAC integration laws.

Specific Objectives

The specific objectives of the LL.M. in Regional integration and East African Community Law are the following:

- ◆ Providing advanced training on specific rules and practices relating to regional integration models in the world.
- ◆ Exposing to the students to the Treaty for the Establishment of the EAC, particularly its legal relationship with and implications on national laws of partner states.
- ◆ Exposing students to the four-stage integration model adopted in the EAC Treaty and legal challenges and implications thereto.
- ◆ Exposing the students to the EAC organs, such as the East African Court of Justice, and their jurisprudence arising thereof in relation to national jurisdictions.

Duration of the Programme

The Taught LL.M. in Regional integration and East African Community Law is a full-time (evening), 18 month programme, combining coursework and a Dissertation. The coursework part of the programme should ordinarily be completed within 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.

Core Courses

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

Optional Courses (minimum of 3 courses)

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 LL.M. programmes subject to approval by respective programme coordinators.	15

Assessment

Each course in the LL.M. in Regional Integration and East African Community Law programme shall be assessed through coursework (continuous assessment) and final university examination. The coursework will be assessed on the basis of seminar presentations and individual assignment (take-home assignment). Coursework shall carry 40% while the University Final Examination will carry a total of 60% marks. The Coursework component will consist of individual assignment weighing 20% marks and a tutorial seminar weighing 20%. In lieu of a tutorial seminar, students may do a test for duration of 1 hour which will weigh 20 marks.

TAUGHT LL.M. IN OIL AND GAS LAW

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 units for elective courses and the remaining 60 credits for a Graduate Essay.

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 LL.M. in Oil and Gas Law an applicant must hold a Bachelor honours Degree of the University of Dar es Salaam or an equivalent degree from another recognized University with a GPA of 2.7.

A candidate with a pass degree may also be considered for admission if his/her undergraduate GPA was

at least 2.5 and he/she has satisfied the University of Dar es Salaam-School of Law with the applicant's academic potential through subsequent work or research experience and/or additional training.

Objectives of the Programme

General Objectives

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.

Specific Objectives

The specific objectives of the LL.M. in Oil and Gas Law are the following:

- ◆ Enhancing knowledge of the current legal rules and issues in the exploitation of Oil and Gas sectors globally and Tanzania in particular;
- ◆ Understanding of legal issues and institutional framework for the governance of Oil and Gas sectors;
- ◆ Generating an understanding of the legal environment, both regulatory and contractual in the Oil and Gas Sectors.
- ◆ Equipping students with advanced knowledge and skills on the complex issues surrounding contracting, taxation and energy security.
- ◆ Creating an insight on the key issues in negotiating Oil and Gas investment agreements.
- ◆ Analysing the challenges and lessons learnt from the existing Oil and Gas Agreements in Tanzania and the future prospects.
- ◆ Introducing new dimensions of the international and national legal issues affecting the operation of Oil and Gas investment agreements.

Duration of the Programme

The Taught LL.M. in Oil and Gas Law is a full-time (evening), 18 month programme, combining coursework and a graduate essay. The coursework part of the programme should ordinarily be completed within 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.

Core Courses

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

Optional Courses (minimum of 3 courses)

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

Assessment

Each course in the LL.M. in Oil and Gas Law programme shall be assessed through coursework (continuous assessment) and final university examination. The coursework will be assessed on the basis of seminar presentations and individual assignment (take-home assignment). The Coursework shall carry 40% while the University Final Examination will carry a total of 60% marks. The Coursework component will consist of individual assignment weighing 20% marks and a tutorial seminar weighing 20%. In lieu of a tutorial seminar, students may do a test for duration of 1 hour which will weigh 20 marks.

DEGREE OF DOCTOR OF PHILOSOPHY

Eligibility for Admission

The following shall be eligible for registration for the degree of Doctor or Philosophy.

1. A holder of the Master of Laws degree of this University.
2. A holder of an LL.B. First Class degree of this University and who has initially registered for the Master of Laws Degree and apply for permission to transfer his registration to the PhD degree. If the application is approved by the Board of Postgraduate Studies, his/her registration for PhD shall be retroactive.
3. A holder of an LL.M. degree or equivalent of another recognized University.

Duration

No candidate may be permitted to submit a Thesis for the degree of Doctor of Philosophy in less than two academic years from the date of registration save 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.

Course Programme

A prospective candidate for the PhD degree is required to submit a research proposal he/she proposes to pursue and 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 his/her field of study or research. Where required, a candidate may choose any subject from those offered at Master of Laws level.

A candidate for the degree shall be required to submit a Thesis embodying the results of his/her study at the end of the programme. The PhD by Thesis shall be marked on Pass or Fail basis. General University Rules and Regulations relating to submission of Thesis shall apply to PhD candidates.

DOCTOR OF LAWS

LL.D. 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

Associate Professor and Dean

H. I. Majamba, LL.B. (Dar), LL.M. (Queen's), PhD (Northeastern)

Lecturer and Associate Dean

S. F. Materu, LL.B. (Dar), LL.M. (UWC), Dr.jur. (Humboldt)

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Mr. P. D. Gabriel, BA PSPA (Dar)

Accountants

Ms. S. C. Mwawengo B.Com, MBA (Dar) CPA (T)

Mr. E. A. Suleiman Dipl in Accountancy, Adv. Dipl in Accountancy (CBE, Dar)

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***K. Gastorn, LLB, LLM (Dar), Dr. jur. (Bayreuth)

K. C. Kamanga, LL.M., PhD (Patrice Lumumba), LL.M. EULaw (Amsterdam)

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*A. Rwegasira, LL.B., LL.M. (Dar)

*I. R. Mandi, LL.B, LL.M (Dar)

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Tutorial Assistant

*C. Mairo LL.B. (Dar)

N. B. Komba, LL.B (Dar)

* On Study Leave

**On Sabbatical Leave

***On Leave of Absence/Secondment

SCHOOL OF EDUCATION (SoED)

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, itself 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 (Education) was the eighth faculty 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 utilization 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 of the following departments: (i) Department of Educational Foundations, Management, and Lifelong Learning (EFMLL); (ii) Department of Educational Psychology and Curriculum Studies (EPCS) and Physical Education Sport Sciences (PESS) unit. The School of Education has a centre – Centre for Educational Research and Professional Research (CERPD), to coordinate 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. The School of Education offers the following postgraduate programmes:

Postgraduate Programmes Offered by the School of Education & Indicative Fees

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs.)	Non-Tanzanians (USD\$)
Postgraduate Diploma in Education (PGDE)	Coursework and Project Paper	Online	12 months	2,000,000	3,075
Postgraduate Diploma in Education (PGDE)	Coursework and Project Paper	Fulltime	12 months	2,600,000	3,075
Master of Arts in Education (MAED)	Coursework and Dissertation or Thesis	Fulltime	18 months	3,900,000	4,615
Master of Arts in Education (MAED)	Coursework and Dissertation	Evening	24 months	4,875,000	6,150

Master of Arts in Education (MAED)	Thesis	Fulltime	24 months	4,875,000	6,150
Master of Arts in Applied Social Psychology (MAASP)	Coursework and Dissertation	Fulltime	24 months	4,875,000	6,150
Master of Education in Science Education (M.Ed Science Education)	Coursework and Dissertation	Fulltime	18 months	3,900,000	4,615
Master of Educational Management and Administration (MEMA)	Coursework and Dissertation	Fulltime	18 months	3,900,000	4,615
Master of Educational Management and Administration (MEMA)	Coursework and Dissertation	Evening	18 months	3,900,000	4,615
Master of Education in Language Education (MEDLED)	Coursework and Dissertation	Fulltime	18 months	3,900,000	4,615
Master of Education in Physical Education and Sport Sciences (MED PESS)	Coursework and Dissertation	Fulltime	18 months	3,900,000	4,615
Doctor of Philosophy (PhD) in Education	Thesis	Fulltime	36 Months	3,250,000 (per year)	3,075 (per year)
Doctor of Philosophy (PhD) in Education	Thesis	Part time	60 months	3,250,000 (per year)	3,075 (per year)
Doctor of Philosophy (PhD) in Education	Coursework and Dissertation	Fulltime	48 months	3,250,000 (per year)	3,075 (per year)

MASTER OF ARTS IN EDUCATION (M.A. ED) FULL TIME

SoED offers Master of Arts in Education (MA ED) degree programme by thesis and by coursework and dissertation.

Entry Requirements

1. The minimum qualification for admission into MAED is a bachelor degree in education with a GPA of 2.7 or above from University of Dar es Salaam (UDSM) or any other institution recognized by TCU.
2. A Postgraduate Diploma in Education offered by the University of Dar es Salaam School of Education (SOED), or any other institution recognized by TCU may also suffice for consideration for admission into MAED.
3. SOED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval.

Structure of the Programme

MAED programme is offered in two ways and that is by thesis or by coursework and dissertation.

The Structure of the Programme

Semester	Activities	
Semester I	Coursework	
Semester II	Coursework and approval of coursework results	
Semester III	Dissertation	
	<i>Period</i>	<i>Activities</i>
	August – September	Proposal development and approval
	October – November	Field Work
	December	Data Analysis
	January	First Draft
	February 15 th	Second Draft
	February 28 th / 29 th	Final Draft
	March 1 st	Submission
	March 07 th – 21 st	Presentation at departmental level
	March 21 st – 31 st	Assessment of the dissertations by IE and EE
	April 1 st – 15 th	Approval of dissertation results
	April 20 th	Production of final error free copy
	April 25 th	Final submission
May/ December	Graduation	

- a) Fulltime 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
- b) Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment
- c) The minimum time for the dissertation phase shall be 6 months.
- d) The credit system shall be used to gauge the workload involved in a programme
- e) 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
- f) 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
 - g) In addition, a candidate may be required to take certain undergraduate courses that are prerequisites for some postgraduate courses. However, will not be considered in the final degree evaluation

Assessment

- a) Each course shall be offered and assessed in the same semester and a grade awarded
- b) With the approval of the respective SOED Board, 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 SOED Board in accordance to the University Qualification Framework set by the Tanzania Commission for Universities (TCU)
- c) The average grade/Pass for all postgraduate courses must be at least “B”
- d) A candidate whose GPA is below 2.7 shall be discontinued from the programme
- e) A candidate whose overall GPA is 2.7 or above, shall be allowed to do supplementary examinations in the failed courses
- f) The maximum grade that can be attained from a supplementary examination shall be “B”
- g) Candidates who fail in more than one supplementary examination shall be discontinued from the programme
- h) Candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.
- i) 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
- j) 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%andContinuous Assessment 50%. The form of assessment shall be specified by respective instructors at the beginning of the course
- k) For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal
- l) University guidelines on the preparation of dissertations shall apply
- m) Continuous Assessment 50%. The form of assessment shall be specified by respective instructors at the beginning of the course
- n) For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal
- o) University guidelines on the preparation of dissertations shall apply

Distribution of Course Credits

Part I: 7	Core courses each 12 credits	84
Part II: 3	Optional/Electives each 12 credits	36
Part III:	Dissertation	60
	Total	180

Table 1: Core Courses

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

Optional Courses

Each candidate will be required to select three courses from the list as indicated in Table 2.

Table 2:Optional Courses

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

MASTER OF ARTS IN EDUCATION (M.A ED) EVENING

University of Dar es Salaam, 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 qualifications, 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)

SoED offers Master of Educational Management and Administration (MEMA) degree programme by thesis or by coursework and dissertation. 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.

Entry Requirements

1. The minimum qualification for admission into MEMA is a bachelor degree in education with a GPA of 2.7 or above from University of Dar es Salaam (UDSM) or any other institution recognized by TCU
2. A Postgraduate Diploma in Education offered by the SOED, or any other institution recognized

by TCU may also suffice for consideration for admission into MEMA

3. SOED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval

Structure of Programmes

MEMA programme is delivered by thesis and or coursework and dissertation.

Semester	Activities	
Semester I	Coursework	
Semester II	Coursework	
Semester III	Dissertation	
	<i>Period</i>	<i>Activities</i>
	August – September	Proposal development and approval
	October – November	Field Work
	December	Data Analysis
	January	First Draft
	February 15 th	Second Draft
	February 28 th / 29 th	Final Draft
	March 1 st	Submission
	March 07 th – 21 st	Presentation at departmental level
	March 21 st – 31 st	Assessment of the dissertations by IE and EE
	April 1 st – 15 th	Approval of dissertation results
	April 20 th	Production of final error free copy
	April 25 th	Final submission
	May/ December	Graduation

- a) Fulltime 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.
- b) Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment.
- c) The minimum time for the dissertation phase shall be 6 months.
- d) The credit system shall be used to gauge the workload involved in a programme.
- e) 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.
- f) 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.
- g) 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.

Assessment

- a) Each course in MEMA shall be offered and assessed in the same semester and a grade awarded
- b) With the approval of the respective SOED Board, 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 to the University Qualification Framework set by the Tanzania Commission for Universities (TCU)

- c) The average grade/Pass for all postgraduate courses must be at least “B”
- d) A candidate whose GPA is below 2.7 shall be discontinued from the programme
- e) A candidate whose overall GPA is 2.7 or above, shall be allowed to do supplementary examinations in the failed courses
- f) The maximum grade that can be attained from a supplementary examination shall be “B”.
- g) Candidates who fail in more than one supplementary examination shall be discontinued from the programme
- h) Candidate who fails in only one supplementary examination shall be allowed to repeat the failed course
- i) 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
- j) 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
- k) For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal
- l) University guidelines on the preparation of dissertations shall apply

Courses:

Part I:	7 Core courses each 12 credits	84
Part II:	3 Optional/Electives each 12 credits	36
Part III:	Dissertation	60
	Total	180

Table 1: Core Courses

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

Optional Courses

Each candidate will be required to select three courses from the list indicated in **Table 2**.

Table 2: Optional Courses

Code	Course Title	Credits
EA 629	The Politics of Education	12
EA 630	Education Management Information System (EMIS)	12
EA 631	Organizational 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

MASTER OF EDUCATIONAL MANAGEMENT AND ADMINISTRATION (MEMA) EVENING

UD-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 qualifications, 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 ARTS IN APPLIED SOCIAL PSYCHOLOGY (M.A ASP)

SOED offers Master of Arts in Applied Social Psychology (MAASP) degree programme by coursework and dissertation. MAASP programme aims at training and developing high quality social psychologist 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.

Entry Requirements

1. The minimum qualification for admission into MAASP is a bachelor degree in education or related fields with a GPA OF 2.7 or above from University of Dar es Salaam (UDSM) or any other institution recognized by TCU
2. A Postgraduate Diploma in Education offered by SOED, or any other institution recognized by TCU may also suffice for consideration for admission into MAASP
3. SOED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval

Structure of programmes

MAASP programme comprises of thesis or coursework and dissertation.

Semester	Activities
Semester I	Coursework
Semester II	Coursework
Semester III	Practicum to Counseling
Semester IV	Dissertation

	<i>Period</i>
	August – October
	November
	December - February
	March
	April
	May
	June 1 st
	June 07 th – 21 st
	June 21 st – 31 st
	July 1 st – 15 th
	July 20 th
	July 25 th
	July 31 st
	December

- a) Fulltime students shall complete their coursework within the first 2 semesters of enrolment. Within the third semester the candidate 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
- b) Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment
- c) The minimum time for the dissertation phase shall be 6 months
- d) The credit system shall be used to gauge the workload involved in a programme
- e) 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
- f) 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
- g) 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

Assessment

- a) Each course in MAASP shall be offered and assessed in the same semester and a grade awarded
- b) With the approval of the respective SOED Board, coursework completed in postgraduate studies at 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 to the University Qualification Framework set by the Tanzania Commission for Universities (TCU)
- c) The average grade/Pass for all postgraduate courses must be at least “B”
- d) A candidate whose GPA is below 2.7 shall be discontinued from the programme
- e) A candidate whose overall GPA is 2.7 or above, shall be allowed to do supplementary examinations in the failed courses
- f) The maximum grade that can be attained from a supplementary examination shall be “B”
- g) Candidates who fail in more than one supplementary examination shall be discontinued from the programme
- h) Candidate who fails in only one supplementary examination shall be allowed to repeat the failed

course

- i) 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
- j) 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
- k) For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal
- l) University guidelines on the preparation of dissertations shall apply

Courses:

Part 1: 7 Core courses each 12 credits	84
Part II 3 Optional/Electives each 12 credits	36
Part III Dissertation	60
Total	180

Table 1: Core Courses

Code	Course Title	Credits
FE 600a	Research Methods in Education I	12
FE600b	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

Optional Courses

Each candidate will be required to select three courses from the list indicated in Table 2.

Table 2:Optional Courses

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

MASTER OF EDUCATION IN SCIENCE EDUCATION (M. ED SCIENCE EDUCATION)

SoED offers Master of Science in Science Education (MED Sc. Education) degree programme by coursework and dissertation. 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 behavior among children, adolescents/youth, adults, students, teachers and the Tanzanian population at large.

Entry Requirements

1. The minimum qualification for admission into MED Sc. Education is a bachelor degree in education with science subjects with a GPA OF 2.7 or above from UDSM or any other institution recognized by TCU
2. A Postgraduate Diploma in Education offered by SOED, or any other institution recognized by TCU may also suffice for consideration for admission into MED Sc. Education
3. SOED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval

Structure of Programmes

MED Sc. Education programme is offered by coursework and dissertation.

Semester	Activities
Semester I	Coursework
Semester II	Coursework
Semester III	Dissertation
	<i>Period</i>
	August – September
	October – November
	December
	January
	February 15 th
	February 28 th / 29 th
	March 1 st
	March 07 th – 21 st
	March 21 st – 31 st
	April 1 st – 15 th
	April 20 th
	April 25 th
	May/ December

- a) Fulltime 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, respective
- b) Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment
- c) The minimum time for the dissertation phase shall be 6 months
- d) The credit system shall be used to gauge the workload involved in a programme
- e) 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

- f) 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
- g) 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

Assessment

- a) Each course in MAASP shall be offered and assessed in the same semester and a grade awarded
- b) With the approval of the respective SOED Board, coursework completed in postgraduate studies at 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 to the University Qualification Framework set by the Tanzania Commission for Universities (TCU)
- c) The average grade/Pass for all postgraduate courses must be at least “B”
- d) A candidate whose GPA is below 2.7 shall be discontinued from the programme
- e) A candidate whose overall GPA is 2.7 or above, shall be allowed to do supplementary examinations in the failed courses
- f) The maximum grade that can be attained from a supplementary examination shall be “B”
- g) Candidates who fail in more than one supplementary examination shall be discontinued from the programme
- h) Candidate who fails in only one supplementary examination shall be allowed to repeat the failed course
- i) 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
- j) 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
- k) For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal
- l) University guidelines on the preparation of dissertations shall apply

Distribution of Course Credits

Part I:	7 Core courses each 12 credits	84
Part II:	3 Optional/Electives each 12 credits	36
Part III:	Dissertation	60
	Total	180

Table 1: Core Courses

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 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

Optional Courses

Each candidate will be required to select three courses from the list indicated in Table 2.

Table 2: Electives/Option Courses

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

MASTER OF EDUCATION IN LANGUAGE EDUCATION (MED LED)

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.

Entry Requirements

1. The minimum qualification for admission into MED LED is a bachelor degree in education with a background in language subjects with a GPA OF 2.7 or above from UDSM or any other institution recognized by TCU
2. A Postgraduate Diploma in Education offered by SOED, or any other institution recognized by TCU may also suffice for consideration for admission into MED LED
3. SOED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval

Structure of the Programme

MED LED programme is delivered by thesis and or coursework and dissertation.

Semester	Activities
Semester I	Coursework
Semester II	Coursework

Semester III	Dissertation	
	<i>Period</i>	<i>Activities</i>
	August – September	Proposal development and approval
	October – November	Field Work
	December	Data Analysis
	January	First Draft
	February 15 th	Second Draft
	February 28 th / 29 th	Final Draft
	March 1 st	Submission
	March 07 th – 21 st	Presentation at departmental level
	March 21 st – 31 st	Assessment of the dissertations by IE and EE
	April 1 st – 15 th	Approval of dissertation results
	April 20 th	Production of final error free copy
	April 25 th	Final submission
	May/ December	Graduation

- a) Fulltime 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.
- b) Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment.
- c) The minimum time for the dissertation phase shall be 6 months.
- d) The credit system shall be used to gauge the workload involved in a programme.
- e) 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.
- f) 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.
- g) 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.

Assessment

- a) Each course in MED LED programme shall be offered and assessed in the same semester and a grade awarded
- b) With the approval of the respective SOED Board, 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 to the University Qualification Framework set by the Tanzania Commission for Universities (TCU)
- c) The average grade/Pass for all postgraduate courses must be at least “B”
- d) A candidate whose GPA is below 2.7 shall be discontinued from the programme
- e) A candidate whose overall GPA is 2.7 or above, shall be allowed to do supplementary examinations in the failed courses
- f) The maximum grade that can be attained from a supplementary examination shall be “B”
- g) Candidates who fail in more than one supplementary examination shall be discontinued from the programme

- h) Candidate who fails in only one supplementary examination shall be allowed to repeat the failed course
- i) 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
- j) 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
- k) For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal
- l) University guidelines on the preparation of dissertations shall apply

Distribution of Course Credits

Part I:	10 Core courses each 12 credits	120
Part II:	Optional/Electives each 12 credits	00
Part III:	Dissertation	60
Total		180

Table 1: Core Courses

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

Optional Courses

Each candidate will be required to select elective/ optional courses from the list indicated in Table 2.

Table 2: Electives/Option Courses

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

POSTGRADUATE DIPLOMA IN EDUCATION (PGDE)

SoED offers Postgraduate Diploma in Education (PGDE) degree 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). The online programme is run jointly between SOED and CVL. PGDE degree programme aims at professionalizing non-education graduates by training them to become professional teachers.

Entry Requirements

1. The minimum qualification for admission into PGDE is a bachelor degree (non-education) with a GPA of 2.7 or above UDSM or any other institution recognized by TCU
2. A non-education (advanced) Diploma in Education offered by UDSM or any other institution recognized by TCU may also suffice for consideration for admission into PGDE
3. SOED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval

Structure of the Programme

PGDE programme comprises of coursework and Teaching Practice (TP). Fulltime students shall complete their coursework within the first 2 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

- a) The credit system shall be used to gauge the workload involved in a programme.
- b) 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.
- c) A minimum of 120 credits shall be completed to satisfy the coursework requirement before proceeding to teaching practicum.

Assessment

- a) Each course in PGDE programme shall be offered and assessed in the same semester and a grade awarded
- b) The average grade/Pass for all postgraduate courses must be at least “B”
- c) A candidate whose GPA is below 2.7 shall be discontinued from the programme
- d) A candidate whose overall GPA is 2.7 or above, shall be allowed to do supplementary examinations in the failed courses
- e) The maximum grade that can be attained from a supplementary examination shall be “B”
- f) Candidates who fail in more than one supplementary examination shall be discontinued from the programme
- g) Candidate who fails in only one supplementary examination shall be allowed to repeat the failed course
- h) 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
- i) 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
- j) University guidelines on the preparation of dissertations shall apply

Distribution of Course Credits

Part I:	10 Core courses each 12 credits	132
Part II:	At least two Optional/Electives each 12 credits	24
Total		156

Table 1: Core Courses

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

Optional Courses

Each candidate will be required to select at least two elective/ optional courses from the list indicated in Table 2.

Table 2: Optional Courses

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 & Organizational Behaviour.	12
EA 501	Human Resources Development in Educational Organizations	12
EF 501	Sociology of Education	12
EP 504	Educational Guidance and Counseling	12
PE 501	Theory and Practice of Fitness Promotion	12

MASTER OF EDUCATION IN PHYSICAL EDUCATION AND SPORT SCIENCE (PESS)

SoED offers Master of Education in Physical Education and Sport Sciences (MED PESS) degree programme 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

Entry Requirements

1. The minimum qualification for admission into MED PESS is a bachelor 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 recognized by TCU
2. A Postgraduate Diploma in Education offered by SOED, or any other institution recognized by TCU may also suffice for consideration for admission into MED PESS
3. SOED Board may also consider applicants with any other equivalent qualification not mentioned above, subject to the Senate approval

Structure of the Programme

MED PESS programme comprises of coursework and dissertation. Fulltime 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.

Semester	Activities	
Semester I	Coursework	
Semester II	Coursework	
Semester III	Dissertation	
	<i>Period</i>	<i>Activities</i>
	August – September	Proposal development and approval
	October – November	Field Work

	December	Data Analysis
	January	First Draft
	February 15 th	Second Draft
	February 28 th / 29 th	Final Draft
	March 1 st	Submission
	March 07 th – 21 st	Presentation at departmental level
	March 21 st – 31 st	Assessment of the dissertations by IE and EE
	April 1 st – 15 th	Approval of dissertation results
	April 20 th	Production of final error free copy
	April 25 th	Final submission
	May/ December	Graduation

- a) Part-time candidates shall include those following evening programmes to complete their coursework within the first 18 months of enrolment
- b) The minimum time for the dissertation phase shall be 6 months
- c) The credit system shall be used to gauge the workload involved in a programme
- d) 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
- e) 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
- f) 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

Assessment

- a) Each course in MED PESS programme shall be offered and assessed in the same semester and a grade awarded
- b) With the approval of the respective SoED Board, 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 to the University Qualification Framework set by the Tanzania Commission for Universities (TCU)
- c) The average grade/Pass for all postgraduate courses must be at least “B”
- d) A candidate whose GPA is below 2.7 shall be discontinued from the programme
- e) A candidate whose overall GPA is 2.7 or above, shall be allowed to do supplementary examinations in the failed courses
- f) The maximum grade that can be attained from a supplementary examination shall be “B”
- g) Candidates who fail in more than one supplementary examination shall be discontinued from the programme
- h) Candidate who fails in only one supplementary examination shall be allowed to repeat the failed course.
- i) 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.
- j) 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
- k) For the dissertation phase, the candidate in consultation with the supervisor shall formulate a research proposal
 - l) University guidelines on the preparation of dissertations shall apply

Distribution of Course Credits

Part I:	8 Core courses each 12 credits	96
Part II:	2 Optional/Electives each 12 credits	24
Part III:	Dissertation	60
Total		180

Table 1: Core Courses

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

Optional Courses

Each candidate will be required to select two elective/ optional courses from the list indicated in Table 2.

Table 2: Optional Courses

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

DOCTOR OF PHILOSOPHY (PhD) IN EDUCATION BY THESIS AND BY COURSEWORK AND DISSERTATION

The School of Education offers a PhD in Education by thesis and 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.

Entry Requirements

1. A candidate for admission to the PhD in Education at SoED must hold a Bachelor (with a GPA of 3.5 or above from UDSM or any other recognized institution by TCU) and Master (with a GPA of 4.0 or above from UDSM or any other recognized institution by TCU) degrees in Education from the University of Dar es Salaam or of any other institution recognized by TCU
2. Candidates who possess a relevant First Class in Bachelor in Education 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 SoED Postgraduate Studies and Research (Higher Degrees) Committee and authorization by Senate

Programme Structure (By Course Work 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: <ul style="list-style-type: none"> - Assigning a research supervisor - Proposal writing and approval at Department and School levels - Research clearance
Semester V	Dissertation phase: <ul style="list-style-type: none"> - Field work/ data collection
Semester VI	Dissertation phase: <ul style="list-style-type: none"> - Data analysis - Report writing - Writing and submission of a journal paper
Semester VII	Dissertation phase: <ul style="list-style-type: none"> - 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
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The PhD in Education by Coursework and Dissertation degree programme has several specializations in education as appears in the table of courses.

Comprehensive Examination

1. 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
2. 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
3. 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
 - i. 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
 - ii. It shall be both oral and written and shall be assessed on a pass or fail basis
 - iii. The oral comprehensive examinations shall not take more than three hours
4. 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
5. A candidate who fails a comprehensive examination shall be required to take another comprehensive examination as recommended by the examination panel

Distribution of Course Credits

Part I:	4 Core courses each 24 credits	96
Part II:	4 Specialized courses	96
Part III:	2 Optional/Electives each 12 credits	48
Part IV:	Comprehensive Exam	00(Pass/ fail)
Part III:	Dissertation	480
Total		720

Table 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

Specialized Courses		
ADULT AND COMMUNITY EDUCATION		
Theories, Policy and Practices in Lifelong Learning	SE 710	24
Adult Education and Globalization	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 (Option)	SE 729	24
Language Testing (Option)	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
Behavior 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 (Option)	SE 783	24
Elective courses (to be studied elsewhere within the University or outside)	XXX	24

SOED STAFF LIST

Office of the Dean

Senior Lecturer and Dean

E.J. Kafanabo, BSc. (Ed.) (Dar), MSc. (Ed.) (Twente), PhD (Pretoria)

Senior Lecturer and Associate Dean

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Lecturer and Coordinator of postgraduate studies

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Lecturer and Coordinator of Undergraduate studies

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Assistant Administrator and Secretary to the Associate Dean

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Secretary III and Secretary to the Coordinator of Postgraduate Studies

A. D. Nyaulingo – Cert. in Computer Applications (VETA, Iringa), Certificate in Secretarial Studies (NILA), Diploma in Secretarial Studies (TPSC, Mbeya).

Secretary I and Secretary to the Coordinator Teaching Practice

R. Mpema - Diploma Secretarial Studies (TPSC), Management Development of Executive Assistants (TPSC).

Administrative Officer

E. Maduhu, BPA (Mzumbe), PGD in MIR (TZ-Mozambique Centre for International Relations), MHRM (Mzumbe)

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M. Juma, BBA (OUT) (DSM), MBA (Dar)

System Administrator
G. Itebuka, BDIT (KIU)

Librarian
M. Sirayi, Cert. (SLADS, Bagamoyo), Diploma (SLADS, Bagamoyo), Bachelor (OUT).

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C. Mwageni, CSEE (Airwing Secondary School)

Department of Educational Psychology and Curriculum Studies

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Senior Lecturers
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- *L. Morwo, B.Ed. (Sc.), M. ED (Sc.) (Dar)
- *B. Kayombo, B.Ed. (Psych.), MAASP (Dar)
- *L.S. Sanga, Diploma (Ed) (Morogoro T.T.C), B.Ed. (Psych.), MAASP (Dar)
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- H.S. Mwinyikondo, B.Ed. (ECE), MAASP (Dar)
- E. Daudi, B.Ed. (Psych.), MAASP (Dar)
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- * M.H. Mudhihir, BED (Psych) (Dar)

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Senior Artisan

- D. Marandu, VETA (Morogoro)

Support Staff for Special Educational Needs

- J. Mbagu, Dip. Ed. (Monduli T.T.C), Cert. in Special Educ. The Blind (Patandi T.T.C), B.Ed. (Special Needs) (Sebastian Kolowa), Masters (Kyambogo)
- P. Kisanga, Cert. in Ed. Grade IIIA (Kasulu TC), Cert. in Special Educ. Visual Impairment (Patandi TC), Dip. Ed. (Patandi TC), B.Ed. (Special Needs) (Sebastian Kolowa,), Masters (UDSM)
- T.E. Shayo, Cert. Sign Language (CHAVITA), Diploma in Sign Language and Interpretation
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- E. K. Lung'wecha B.Ed. (Special Needs) (Sebastian Kolowa)

Primary School Teachers

- | | |
|--------------------------|--|
| Regina Mwasu Mahendeka | Cert. Edu Grade III A (Murutunguru TC) |
| Felista Donald Mabada | Cert. Edu Grade IIIA (Bunda TC) |
| Fidea Hadrian Lupogo | Cert. Edu Grade IIIA (Nachingwea TC) |
| Lucas Sebastian Burchard | Cert. Edu Grade IIIA (Katoke TC) |
| Method Alfred Chengullah | Cert. Edu Grade IIIA & Special Educ. Intellectual impairment |

(Patandi, TC)

Kashindye Mfaume Mrisho	Cert. Edu Grade III A (Ilonga TC)
Florence Karara	Cert. Edu Grade IIIA (Ilonga TC)
Mwanzo John Lazaro	Cert. Edu Grade IIIA (Kasulu TC)
Martina J. Mkwizu	Cert. Edu Grade IIIA (Eukenford TC)
Mgeni Kazinyingi Mbwambo	Cert. Edu Grade III A (Mhonda TC)
Christina Samwel Chunga	Cert. Edu Grade III A (Mpwapwa TC)
Catherine Robert Shija	Cert. Edu Grade IIIA (Kindercare TC)
Patrick Kariba	Cert. Edu Grade IIIA (Ndala TC)
Sixbert Masero Masiku	Cert. Edu Grade IIIA (Eukenford TC) Cert. Basic Technician in Information Technology (DIT)

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*B. Komu, Cert. in Public Administration (Magogoni – Dar), Cert. Early Childhood Devt (Montessori Msimbazi), Cert. Grade IIIA (Nachingwea TC)

E. Stephen, Cert. Early Childhood Devt (Montessori Msimbazi).

M. Ngoda, Cert. Early Childhood Devt (Montessori Msimbazi).

* On Study Leave

** On Sabbatical Leave

*** On Leave of Absence/Secondment

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(Mtwara TC), BED (ADE) (Dar), M.Phil. CIE, PhD (Oslo)
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Lecturers

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PhD (Glasgow)
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R.M. Boniface, B. Ed. (Com), MEMA (Dar), PhD (Linnaeus)
T. Ndeskoi, Dip. Ed. (Marangu), B.A. (Ed.), M.A. (Ed.) (Dar), PhD (Dar)
N. L. Mgonda, Dip. Ed. (Korogwe), B.Ed., M.A. (Ed.) (Dar), PhD (Leipzig)
G.H. Shirima, B.Ed., MEMA (Dar), PhD (Bielefeld)
B.T. Mbughi, B.Ed. (ADE), M.A. (Ed.) (Dar), PhD (University of LMU Munich)
Y.S. William, B. Ed Com., MEMA (Dar), PhD (Southampton)
M.A. Mislay, Dip. Ed. (Marangu), B.A. (Ed.), MEMA (Dar), PhD (Massey)
J. Pesambili, B.A. (Ed.) (Dar) MA (Ed) Dar, PhD (Sussex)
P. Simon, B.Ed., MEMA (Dar), MEMA (Dar), PhD (Kenyatta)
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Assistant Lecturers

*R.K. Hyera, Dip. Ed. (Korogwe), B.Ed. (Arts), M.A. (Ed.) (Dar)
*J. Bachilula, B.Ed. (Arts), MEMA (Dar)

Tutorial Assistants

J. Mathew, BED COM (Dar)
A. Chagula, BED COM (Dar)

* On Study Leave

** On Sabbatical Leave

*** On Leave of Absence/Secondment

Physical education and sport sciences unit

Senior Lecturer and Head of Unit

S. Mabagala, B.Ed., M.A., (Ed.) (Dar), PhD (Kenyatta)

Administrative Assistant I and Secretary to the Head

A.S. Mdulli,

Senior Lecturer

H.S. Ndee, Dip. Ed. (Kleruu TC), MSc. (Ed.) (Stockholm), M.A. (Pedagogics) (Moscow), PhD

(Strachclyde)

S. Mabagala, B.Ed., M.A., (Ed.) (Dar), Ph.D (Kenyatta)

Lecturers

C.N. Maro, B.Ed. (PESC) (Dar), MSc. (NUSPE), Dip. Soccer Coaching (NUSPE), PhD (NSSS, Oslo)

J.B. Tiboroha, B.Ed. (PESC) (Dar), MSc. (NUSPE), PhD (Dar)

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Assistant Lecturers

*J. Siayi, B.Ed. (PESC) (Dar), M.A (Ed.) (Dar)

* J. Mlay, B.Ed. (PESC), MAASP (Dar), M. Phil SEN (Oslo)

*A. Shao, B.Ed. (PESC) (Dar), M.A (Ed.) (Dar)

A.Y. Simwanza, B.Ed. (PESS) (Dar), M.A (Ed.) (Dar)

Tutorial Assistant

D.C. Msabila, B.Ed. (PESS) (Dar)

Technical Staff

D. Vicent, Cert. Mechanical (Dar), (Dip. Comp. Science) (Dar)

* On Study Leave

** On Sabbatical Leave

*** On Leave of Absence/Secondment

INTRODUCTION

The School of Journalism and Mass Communication 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.

Programmes Offered

The School of Journalism and Mass Communication offers the following postgraduate programmes:

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs.)	Non-Tanzanian (USDS)
Postgraduate Diploma in Mass Communication	Coursework and Report	Fulltime	12 months	2,600,000	3,360
Postgraduate Diploma in Mass Communication	Coursework and Report	Evening	18 months	3,900,000	4,965
Master of Arts in Mass Communication	Coursework and Dissertation	Fulltime	18 months	3,900,000	4,965
Master of Arts in Mass Communication	Thesis	Fulltime	24 months	5,000,000	6,625
Doctor of Philosophy (PhD) in Journalism	Thesis	Fulltime	36 months	2,700,000 per year	3,360 per year
Doctor of Philosophy (PhD) in Journalism	Thesis	Part time	60 months	2,700,000 per year	3,360 per year

POSTGRADUATE DIPLOMA IN MASS COMMUNICATION

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.

The general objectives of the course are to:

- (a) provide specialised training in specific fields of Mass Communication;
- (b) enhance competence and skills in specialised areas of Mass Communication, Journalism, Public Relations and Advertising and
- (c) facilitate possible upgrading for B.A. Mass Communication, B.A. Journalism and B.A. Public Relations and Advertising degree holders who do not have the requisite GPA to be admitted into the M.A. programme.

Entry Qualifications

- (a) To pursue a postgraduate diploma in Mass Communication, a candidate must have a good first degree or Masters from a recognised University; OR
- (b) Possess an Advanced Diploma in any discipline.

Duration

The Postgraduate Diploma in Mass Communication is offered as a full-time and an evening programme. The fulltime programme lasts for one academic year whereas the evening/part-time programme lasts for eighteen (18) months. The evening programme is suitable for candidates who cannot manage to undertake full-time studies.

Examination regulations

In addition to general University examination regulations, the following examination regulations shall apply:

- a) Each course shall be subjected to a final examination at the end of the semester/course
- b) The final examination shall contribute 50% to the final grade of a course and the continuous assessment shall contribute 50%
- c) A full-time or evening candidate whose overall GPA at the end of semester two is below 2.7 shall be discontinued from the programme
- d) A full-time or evening candidate whose overall GPA at the end of a 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 courses
- e) 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
- f) The minimum attainable grade in a supplementary examination shall be “B”
- g) 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 a failed subject twice
- h) 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 period of research. The proposals for the project shall be submitted by the middle of the second semester
- i) The project shall carry a total of 12 credits.

Semester 1

Candidates will be required to take at least 84 credits from the following courses:

Core Courses

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

Optional Courses

Code	Course Title	Credits
CO 501	Journalism Issues and History	12
CO 504	Editing, Layout and Graphics	12

Semester 2

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

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

Optional Courses

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 1

Candidates are required to take all 72 credits of the following courses:

Core Courses

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 2

Candidates are required to take all 84credits:

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 1

Candidates are required to take at all 60 credits in addition to 24 credits of the Research Report (CO 599):

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

MASTER OF ARTS IN MASS COMMUNICATION

Objective

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.

Admission 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.

Structure and Duration

The M.A. programme lasts for 18 months. Students will undertake the coursework for two semesters and thereafter work on the 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.

Assessment/Evaluation

Coursework 50%

Final Examination 50%

Courses

Semester 1

Core Courses

Code	Course Title	Credits
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

Semester 1

Optional Courses

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 2

Core Courses

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

Semester 2

Optional Courses

Code	Course Title	Credits
DS 611	Colloquium on Media and Development	12
CO 612	Media and Democracy	12
CO 613	Media Criticism	12
CO 614	Masters Project	12

Core Course

Code	Course Title	Credits
CO 669	Dissertation	60

DOCTOR OF PHILOSOPHY (Ph.D.)

Structure and Duration

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, which at the SJMC cover Journalism, Mass Communication and Public Relations and Advertising.

Assessment/Evaluation of the Programme:

The Thesis is evaluated by External and Internal Examiners and subsequently by 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. Andindilile, Dip. Jour. (Evelyn Hone), B.A., M.A. (Dar), M.A. (City, London), MPhil., Ph.D. (Fordham)

Lecturer and Associate Dean

G. Kamfipo, Teachers Cert., Dipl. Edu, B.Ed. (ADE), M.A. (Ling.) (Dar), PhD (SAUT)

Lecturers

***A. Rioba, B.A. (Mass Comm.) (Makerere), M.A.(Jour.) (Cardiff), Ph.D. (Tampere)
G. Kamfipo, Teachers Cert., Dipl. Edu, B.Ed. (ADE), M.A. (Ling.) (Dar), PhD (SAUT)
M. Zacharia, B.A., (Dar), M.A. (Daystar), PhD (Dar)
D. Makukula, B.A., M.A. (Dar), PhD (Berlin)
D. Mukiza, B.A., M.A, PhD (SAUT)

Assistant Lecturers

*I. A. Mburu, B.A., M.A. (Dar)
*E. Ngelela, B.A., M.A. (Dar)
J. Rugaika, B.A. (SAUT), M.A. (Cardiff)
*S. Ndibalema, B.A., MBA (Dar)
*A. Katunzi, B.A., (Dar), M.A. (Makerere)
*E.A. Mkozi, B.A. (Dar), M.A. (Rhodes)
*D.P. Kuhenga, B.A. (Dar), M.A. (Rhodes), MA (Dar)
*N. Mfaume, B.A. (Islamic Univ., Uganda), PGD (Dar), M.A. (Makerere)
Z. Selemani, B.A. (Dar), M.A. (Peace, Costa Rica)
*A. Benson, B.A., M.A. (Dar)
S.A. Hussein, B.A., M.A. (Dar)
C.B. Mwidima, BA, MA (SAUT)

Tutorial Assistants

*G. Malisa, B.A. (Dar)
*V. Barden, B.A. (Dar)
*D. Shayo, B.A. (Dar)
T. Munisi, BA (Dar)
T. Theodory, BA (Dar)

Senior Instructor

E. Solomon, BAMCom (Makerere), MAMCom (Tampere), Ph.D. (Berlin)

Studio Instructors

R. Muniko, B.A., M.A. (Dar)
D. Ishengoma, B.A., M.A. (Dar)

Studio Instructor and Acting Media Manager

S. Chungu FTC., BENG (DIT), PGDSc (Dar)

Senior Artisan

R. Kitwana, Cert. Jour., Dip. Jour. (TSJ)

Mlimani Media Producers/Reporters/Co-ordinators

***H. Ndambaya, PGD (Dar)
***S. Mwehozi, B.A. (Dar)
S. Mustapher, B.A., M.A. (SAUT)

Principal Administrative Officer

M.P. Bwathondi, B.Com, M.B.A. (Dar)

Accountant

G. Sanga, CPA (T), M.B.A, ADCA (Mzumbe)

Senior Library Officer

C.F. Nchimbi, Dip. in Lib. Arch. & Doc. (SLADS), LLB (OUT), PGD Records & Archives Mgt. (TPSC)

Systems Administrator

F. Hume, B.Sc. (Dar)

* On study Leave

***On Leave of Absence/Secondment

INSTITUTE OF DEVELOPMENT STUDIES (IDS)

INTRODUCTION

IDS is the oldest Institute established in 1973. The Institute has well-trained professionals who teach, research and offer public services in multidisciplinary areas. Further, the Institute offers one undergraduate programme and five postgraduate programmes. All courses offered at the Institute are assigned codes starting with DS.

Postgraduate Degree Programmes offered by the Institute of Development Studies are:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TShs.)	Non-Tanzanian (USD\$)
	Master of Arts in Development Studies	Coursework and Dissertation	Fulltime	18 months	4,500,000	6,030
	Master of Arts in Development Management	Coursework and Dissertation	Fulltime	18 months	4,500,000	6,030
	Master of Arts in Gender Studies	Coursework and Dissertation	Fulltime	18 months	4,500,000	6,030
	Master of Arts in Development Studies	Thesis	Fulltime	24 months	4,500,000	8,040
	Doctor of Philosophy (PhD) in Development Studies	Thesis	Fulltime	36 months	4,000,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Development Studies	Thesis	Part time	60 months	4,000,000 per year	4,020 per year

Structure and Duration

The M.A. programmes by course work are offered for eighteen(18) months; twelvemonths for coursework and six months for Dissertation. Coursework comprises minimum of 120 Credits from both core and elective courses. Dissertation consists of 60 Credits. Candidates are required to successfully complete the course work phase before they are allowed to continue with the dissertation phase.

Courses offered in each programme are as follows:

MASTER OF ARTS IN DEVELOPMENT STUDIES

Semester I

Code	Course Title	Core/Optional	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	Optional	12
DS 647	Science and Technology for Development	Optional	12

DS 648	Population and Development	Optional	12
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Semester II

Code	Course Title	Core/ Optional	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	Optional	12
DS 627	Health and Development	Optional	12
DS 649	Globalisation and Development	Optional	12
DS 656	Industrialisation and Development	Optional	12
PS 733	Conflict Management in Africa (from Political Science Department)	Optional	12
PS 730	Conflict Resolution and Peace Studies (from Political Science Department)	Optional	12
DS 699	Dissertation	Core	60

MASTER OF ARTS IN DEVELOPMENT MANAGEMENT

Semester I

Code	Course Title	Core/Op- tional	Credits
DS 622	Development Theory	Core	12
DS 661	Political Thought for Development	Core	12
DS 690	Research Methodology I	Core	12
DS 632	Development Policy Analysis and Practice	Optional	12
DS 635	State, Market and Development	Optional	12
DS 636	Poverty Analyses for Development	Optional	12

Semester II

Code	Course Title	Core/Op- tional	Cred- its
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

Core Courses

Semester I

Code	Course Title	Core/Optional	Credits
DS 622	Development Theory	Core	12
DS 661	Political Thought for Development	Core	12
DS 671	Gender, Culture & Development	Core	12
DS 672	Feminist Paradigms and Emerging Theories	Core	12
DS 690	Research Methodology I	Core	12

Semester II

Code	Course Title	Core/Optional	Credits
DS629	Political Economy of Development	Core	12
DS 643	Gender, Resource Management and Development	Core	12
DS644	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

List of Optional Courses

Code	Course Title	Credits
DS 632	Development Policy Analysis and Practice	12
DS 627	Health and Development	12
DS 670	Gender, Governance and Development	12
DS 647	Science and Technology for Development	12
DS 626	Rural and Urban Development	12
DS 637	Development Planning and Practice	12
DS 638	Development Monitoring and Evaluation	12

Assessment/Evaluation of the Programmes:

Coursework assessment for each course: 50%

Final examination for each course: 50%

DOCTOR OF PHILOSOPHY (Ph.D)

Structure and Duration

The current Ph.D 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. A taught Ph.D programme (Ph.D. by coursework) is being designed for coming years.

Assessment/Evaluation of the Programme

The Thesis is evaluated by External and Internal Examiners and subsequently by a Viva Voce Panel. The Ph.D Thesis is graded.

IDS STAFF LIST

Senior Lecturer and Director

S. O. Maluka, BA, MA (Dar), PhD (Umea)

Lecturer and Associate Director

R. Ndesanjo, BA, MSc, PhD (Dar)

Administrative Officer

M. A. Luziga BA (Dar)

Professors

H. Mlawa, BA, MA, (Dar), MPhil, DPhil (Sussex)**

S. Ngware, BA, MA (Dar), PhD (Minnesota)**

Associate Professors

S. E. Chambua, BSc, MA (Dar), PhD (Carleton)

B. O. Koda, BA, MA, PhD (Dar)**

B. S. Mongula, BA, MA (Dar), MA (Carleton), PhD (Dar)**

P. C. L. Kamuzora, BA, MA (Dar), MA (HMPP), PhD (Leeds)**

E. W. Dungumaro, BSc (Dar), MA (Dar), PhD (Hitotsubashi, Tokyo, Japan)

E. P. Niboye, BSc(Dar), DipEnvMgm (Australian National University) Dr. rer. OEC (Johannes Kepler, Linz)

Senior Lecturers

A. A. Komba, BScEng, (India), MA (Dar), PhD (George Washington)

R. Shayo, BA, MA, (Dar), PhD (Manchester)

J. Kiduanga, BSc, MSc (Moscow), PhD (Dar)

S. O. Maluka, BA, MA (Dar), PhD (Umea)

C. Msoka, BA, MA (Dar), PhD (Minnesota)

Lecturers

F. C. Silangwa, Diploma Education (Korogwe), BEd. (Dar), MA (Dar), PhD (Colon)

S. Mbirigenda, Dip.SocioCom (CUEA, Nairobi), BA Phil (Urbaniana), MA, PhD (Dar)

R. Ndesanjo, BA, MSc, PhD (Dar)

L. Mtasingwa, BA (SAUT), MA (Dar), MA (Edinburg), PhD (Dar)

H. Makundi BSc, PGD (Dar), MSc (Sussex), PhD (Ku-Leuven)

*R. Leonia, Dip.Ed (Marangu TTC), BEd, MA (Dar)

I. Lugalla BA (Tumaini), MA (ISS-The Hague), PhD (Groningen).

Assistant Lecturers

*P. Erasto, BA (Dar), MA (Seoul)

*P. Japhet, BA, MA (Dar)

*P. Katto, BA, MA (Dar)

V. Hamza, BA, MA (Dar)

W. B. Msebeni, BA, MA (Dar)

E. J. Pallangyo, BA, MA (Dar)

Tutorial Assistants

I. Maage, BA (Dar)

I. Y. Majenda, BA (Dar)

O. Thabit, BA (Dar)

C. Nyirenda, BA (Dar)

S. Emmanuel, BA (Dar)

I. Abdilah , BA (Dar)

Librarian

I. A. Kichungo, Dipl. (SLADS)

Accountant

E. Kiwenge, ADA (IAA)

Office Management Secretary I

J. R. Mduma B.A. General (OUT), Full Secretarial Course-ISS (Tabora Secretarial College), Advanced Computer Course (BICO-UDSM)

Office Management Secretary III

W. Ngunde Form IV, Certificate in Secretarial (TPSC -Tanga)

System Administrator

E. Haule, BSc. with Computer Science (UDSM)

Office Supervisor

L. R. Ungani, Form IV

Driver

M. Said Advanced Driving Course (NIT)

*On study Leave

** Working on part-time basis

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 the world over. 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; articles that analyze 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 recognized 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:

- (a) Centre for Kiswahili for Foreigners
- (b) Centre for Kiswahili Literature and African Oral and Written Traditions
- (c) Centre for Terminologies, Translation, Interpreting and Language Technology
- (d) Centre for Lexicography and Kiswahili Grammar

These centres 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 (TShs.)	Non-Tanzanian (USD\$)
Doctor of Philosophy (PhD) in Kiswahili	Coursework and Dissertation	Fulltime	48 Months	1,975,500 per year	3,075 per year
Doctor of Philosophy (PhD) in Kiswahili	Thesis	Fulltime	36 months	2,650,000 per year	3,075 per year
Doctor of Philosophy (PhD) in Kiswahili	Thesis	Part time	60 months	2,650,000 per year	3,075 per year
Master of Arts in Kiswahili	Coursework and Dissertation	Fulltime	18 months	2,750,000	4,615
Master of Arts in Kiswahili	Thesis	Fulltime	24 Months	3,700,000	6,150

Objective of the Programmes

These programmes are designed to prepare experts who will teach Kiswahili courses in higher learning institutions, work in media and publishing companies, governmental institutions, international organizations, regional organizations and other related areas.

The Language of Instruction and thesis/dissertation writing will be Kiswahili.

M.A. KISWAHILI BY COURSE WORK AND DISSERTATION

The course work component shall cover two semesters that require the student's full-time attendance. The dissertation component shall cover nine months.

Entry Requirements/Admission Criteria

To be considered for admission to this programme, a candidate must be a holder of the degree of the University of Dar es Salaam or any other accredited University or has satisfied the requirements for the award of such degree.

To be admitted, candidates should have a first degree in humanities and social sciences. The minimum pass level should be 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.

Duration of the Programme

The M.A. Kiswahili by course work and dissertation shall be completed in one and a half years.

Overall Programme Assessment

The overall assessment for the M.A. Kiswahili by course work and dissertation will be based on the course work, the final exam and completion of the dissertation. The degree shall not be awarded until the dissertation has been successfully completed.

Examination Regulations

In addition to the general University examination regulations, the following regulations shall apply to M.A. Kiswahili by course work and dissertation students:

All students registered for M.A. Kiswahili by course work and dissertation are required to do and pass the core and elective courses of a minimum of 144 credits.

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.

M.A. KISWAHILI COURSE STRUCTURE

All students registered in the M.A. Kiswahili by course work and dissertations who want to specialize in Kiswahili Linguistics have to study the following courses:

Core Courses

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 have to take any two courses from Kiswahili Literature.

In addition, students are required to take some of the following options from Kiswahili Linguistics:

Optional Courses

Code	Course Name	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 Luga 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 M.A. Kiswahili programme who want to specialize in Kiswahili Literature have to study the following courses:

Core Courses

Code	Course Name	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 have to take any two courses from Kiswahili Linguistics.

In addition, students are required to take some of the following options from Kiswahili Literature:

Optional Courses

Code	Course Name	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	Fasii 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-miindo ya Fasii ya Kiswahili	12
KF 633	Uchapishaji katika Kiswahili	12

Dissertation writing is compulsory in the second year of the programme. Candidates must successfully complete the course work phase before they are allowed to proceed with the dissertation phase.

M.A. KISWAHILI BY THESIS

The Institute of Kiswahili Studies offers a M.A. Kiswahili by thesis to interested candidates in the field of Kiswahili. Applicants should have a GPA of 2.8 in their first degree or its equivalent and must have Kiswahili courses in their first degree. Before starting to write his/her thesis the candidate has to present a concept paper and be allocated a supervisor. When the research proposal has been approved, field research and writing of the thesis follows. The candidate must complete his/her thesis within two years from the date of registration; extension may be granted due to illness and serious social problems. The candidates will be required to defend his/her thesis in an oral examination.

DOCTOR OF PHILOSOPHY PhD IN KISWAHILI BY THESIS

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 his/her thesis in an oral examination (viva voce).

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 his/her interest to the respective department in the Institute. The current two departments are Kiswahili Language and Linguistics, and Kiswahili Literature, Communication and Publication. The departmental postgraduate committee examines the application then assigns a supervisor to the candidate. The candidate has also to make presentation of his/her proposal. After the approval of the proposal by the Graduate Studies Committee, the candidate shall continue with data collection and thesis writing.

Eligibility for Admission

An applicant must have a Masters degree in Kiswahili, Linguistics, Literature, Communication Studies or its equivalent from a recognized university.

Duration

The programme lasts for three years from the date of registration for the degree. 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 one academic year from the date of registration unless saved with the special permission of the Senate.

DOCTOR OF PHILOSOPHY Ph.D IN KISWAHILI BY COURSEWORK AND DISSERTATION

The Institute of Kiswahili Studies also offers a Ph.D degree by coursework and dissertation. The Ph.D Kiswahili by **coursework and dissertation** is a four years program. 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. First semester in the second year candidates take a comprehensive exam and at the second semester candidates write 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 his/her thesis in an oral examination (viva voce). All courses are taught in Kiswahili language and dissertation will also be written in Kiswahili language.

The distribution of credits is as follows:

Year 1

Semester 1: Core Courses

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

Semester 1: Optional Courses (Select One)

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

First Year Semester 11: Core Courses

Code	Course Title	Credits
KI 700	Mbinu za Utafiti na Uchambuzi wa Data za Lugha ya Kiswahili	30

Semester 11: Optional Courses (Select Two)

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	360
KI 799	Year 3 and Year 4 Dissertation	

IKS STAFF LIST

Office of the Director

Senior Lecturer and Director

E. S. Mosha, BAEd, MA (Dar), PhD (Waikato)

Senior Lecturer and Deputy Director

M. M. Hans, BEd, MA, PhD (Dar)

Senior Administrative Officer

C. R. Zawadi, MA (Mzumbe) PGD, BA (Dar)

Department of Kiswahili Language and Linguistics

Lecturer and Head of Department

A. Buberwa, BAEd, MA, PhD (Dar)

Senior Lecturers

P. S. Malangwa, BAEd, MA, PhD (Dar)

M. M. Hans, BEd, MA, PhD (Dar)

Lecturers

A. Buberwa, BAEd, MA, PhD (Dar)

A. G. Msigwa, BAEd, MA, PhD (Dar)

G. Mrikaria, BA, MA, PhD (Moscow)

R. A. Chipila, BAEd, MA, (Dar), PhD (KwaZulu-Natal)

R. P. Kadami, BAEd, MA, (Dar), MPh (Oslo), PhD (Dar)

M.A.Mashauri, BAEd, MA, PhD (Dar)

M. M. Shembilu, BEd, MA, PhD (Dar)

*T. Mpemba, BAEd, MA (Dar)

Assistant Lecturers

*E. Kindole, BAEd, MA (Dar)

*M.A.Ngunguti, BAEd, MA (Dar)

*S. Jeromin, BA, MA (Dar)

Z. S. Kididi, BAEd, MA (Dar)

S. E. Luvanda, BA, MA (Dar)

Z. S. Athuman, BA, MA (Dar)

E. Judica, BA, MA (Dar)

J. S.Andrew, BA (Dar), PGD (IFM), MA (Dar)

Tutorial Assistants

M. D. Elly, BA (Dar)

Department of Literature, Communication, and Publishing

Senior Lecturer and Head of Department

E. B. Lyimo, BAEd, MA, PhD (Dar)

Associate Professor

A. K. Mutembei, BAEd, MA (Dar), MA, PhD (Leiden)

Senior Lecturers

S. Omari, BAEd, MA, PhD (Dar)

E. S. Moshia, BAEd, MA (Dar), PhD (Waikato)

E. B. Lyimo, BAEd, MA, PhD (Dar)

Lecturers

J. Bulaya, BAEd, MA, PhD (Dar)

A. Mnenuka, BAEd, MA (Dar) PhD (Leipzig)

E. Mahenge, BAEd, MA PhD (Dar)

A. Nicholas, BAEd, MA (Dar), PhD (Kenyatta)

T. Ramadhani, BAEd, MA (Dar) PhD (Kenyatta)

Z. Daniel, BAEd, MA, PhD (Dar)

*L. H. Bakize, BAEd, MA (Dar)

Assistant Lecturers

*F. J. Ntensya, BAK, MA (Dar)

*F. L. Ilomo, BAEd, MA (Dar)

*N. Swai, BA, MA (Dar)

G. Henry, BAEd, MA (Dar)

G. Kazinja, BA, MA (Dar)

P. Pacho, BA, MA (Dar)

A. E. Mwangike BA (Ruaha), MA (Dar)

S. H. Msigala, BA, MA (Dar)

Tutorial Assistants

W. A. Mligo, BAEd (Dar)

Centre for Kiswahili for Foreigners

Lecturer and Coordinator

R. A. Chipila, BAEd, MA, (Dar), PhD (KwaZulu-Natal)

Centre for Kiswahili Literature and African Oral and Written Traditions

Lecturer and Coordinator

E. Mahenge, BAEd, MA PhD (Dar)

Centre for Terminology, Translation, Interpreting, and Language Technology

Lecturer and Coordinator

T. Mpemba, BAEd, MA (Dar)

Centre for Lexicography and Kiswahili Grammar

Lecturer and Coordinator

M. M. Shembilu, BEd, MA, PhD (Dar)

* On study leave

INTRODUCTION

The Institute of Marine Sciences (IMS) is located in Zanzibar with sub campuses at Mizingani Street and Buyu. In addition, IMS has a mariculture substation located in Pangani, Tanga. The Institute comprises three academic sections namely: Marine and Coastal Resources Management (MCRM), Marine Technology and Innovation (MTI) and Geosciences, Oceanography and Informatics (GOI). IMS has established a Mariculture Centre in Pangani, Tanga so as to increase its geographical research and extension services in areas related to best practices in finfish pond and cage farming; seaweed farming; crab fattening and pearl farming. Physical and Environmental Marine Sciences (PEMS) and Marine Biology and Resources Management (MBRM). The third section dealing with Information and Communication Technology (ICT) is a cross-cutting section that provides GIS services, and houses the National Oceanographic Data Centre (TzNODC) as well as the Marine Education Extension Development (MEED) which is the outreach arm of the Institute.

Degree programmes offered by the Institute:

- (i) Bachelor of Science in Marine Sciences (BSc MASC) – To be offered after TCU Accreditation
- (ii) Master of Science in Marine Sciences (MSc MASC) by thesis only
- (iii) Master of Science in Marine Sciences (MSc MASC) by coursework and dissertation
- (iv) Master of Science in Sustainable Fisheries Management (MSc SUFIM) by coursework and dissertation
- (v) Doctor of Philosophy (PhD) by thesis only and PhD in Applied Marine Sciences by coursework and dissertation
- (vi) Doctor of Philosophy in Applied Marine Sciences (PhD AMS) by coursework and dissertation

POSTGRADUATE PROGRAMMES BY INSTITUTE OF MARINE SCIENCES

The Institute of Marine Sciences offers five postgraduate programmes namely, MSc (Marine Sciences) by Coursework and Dissertation, MSc (Sustainable Fisheries Management) by Coursework and Dissertation, MSc (Marine Sciences) by Thesis, PhD (Applied Marine Sciences) by Coursework and Dissertation and PhD (Marine Sciences) by Thesis. The programmes offered are aimed at creating linkages between the consolidated research programmes at IMS and postgraduate training and bilateral collaboration.

Postgraduate programmes offered by IMS:

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs.)	Non-Tanzanian (USD\$)
Master of Science in Marine Sciences	Coursework and Dissertation	Fulltime	24 months	2,250,000	4,020
Master of Science in Marine Sciences	Thesis	Fulltime	24 Months	2,250,000	4,020
Master of Science in Sustainable Fisheries Management (MSc SUFIM)	Coursework and Dissertation	Full time	24 months	2,250,000	4,020
Doctor of Philosophy (PhD) in Marine Sciences	Thesis	Fulltime	36 months	2,250,000 per year	4,020 per year
Doctor of Philosophy (PhD) in Marine Sciences	Thesis	Part time	60 months	2,250,000 per year	4,020 per year

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
				Tanzanian (TShs.)	Non-Tanzanian (USD\$)
Doctor of Philosophy (PhD) in Applied Marine Sciences	Coursework and Dissertation	Fulltime	48 months	2,250,000 per year	4,020 per year

Entry Requirements

Admission conditions for both MSc. and Ph.D are governed by the University of Dar es Salaam General Regulations for Postgraduate Study Programmes. For a candidate to be admitted to the Masters degree (Marine Sciences) by Coursework and Dissertation and Masters degree (Sustainable Fisheries Management,) he/she must have at least a Lower Second Class honours degree (i.e. with a GPA of at least 2.7) from UDSM or any other university recognized by TCU, with background in science subjects relevant to marine sciences such as biology and chemistry. For a candidate to be admitted to the Masters degree (Marine Sciences) by thesis, he/she must have at least an Upper Second Class honours degree (i.e. with GPA of at least 3.5) from the University of Dar es Salaam or equivalent qualifications from another recognized university during the first degree. Also, for a candidate to be admitted to the Doctor of Philosophy degree, he/she must have a Masters degree in disciplines that are relevant to marine sciences from the University of Dar es Salaam or an equivalent from any other recognized university.

MSc. (MARINE SCIENCES) BY COURSEWORK AND DISSERTATION

The Master of Science degree (Marine Sciences) by Coursework and Dissertation programme is aimed at producing marine scientists with the general understanding of oceanographic concepts with specialization in either Marine and Coastal Resources Management or Marine and Coastal Geo-informatics.

The Marine and Coastal Resources Management specialization 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 may link and collaborate 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. The 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 modeling.

The Marine and Coastal Geo-informatics specialization 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 modeling, remote sensing, GIS design and implementation issues, GIS programming and customization and database technology. Concepts and techniques are illustrated using case study material drawn from a variety of application areas. Practical work is undertaken using a variety of open source and free softwares such as BILKO, ILWIS, BEAM (and others) and commercial softwares such as, ArcGIS and ERDAS Imagine. For the award of MSc. the student must undertake an independent research project, submitted as a written dissertation. The dissertation carries a weight of 60 credits.

Programme Structure

All students undertaking Master of Science degree in Marine Sciences by coursework and dissertation

will be obliged to take four compulsory courses, after which they may specialize in either Marine and Coastal Resources Management or Marine and Coastal Geo-informatics.

SPECIAL REGULATIONS FOR MSc. BY COURSE WORK AND DISSERTATION

The following special regulations shall also apply to the course work part of the MSc. programme of the Institute of Marine Sciences:

To be eligible for admission to the programme, the applicant should normally have an overall grade of B or higher in the undergraduate degree subject relevant to the programme he/she wishes to study.

Admission may be based on equivalent qualifications.

Each MSc. study programme shall start at the beginning of the academic year and conclude 24 months later for fulltime students and 30 month later for part-time students. Beyond these limits Senate approval is necessary.

The MSc. programme shall consist of course work (Part I) and research project (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 Grade Point Average is below 2.7 in the course work part will be discontinued.

Candidates whose overall grade point average is 2.7 and above in the course work part shall be allowed to do supplementary examination(s) in the failed courses. After the supplementary examination(s), candidates who have upgraded their G.P.A. to 3.0 and above, may be allowed to proceed to the dissertation phase of the MSc. programme if all course have been passed. Candidates who have after supplementary examination obtained a G.P.A. of 3.0 and above but still failed a course must repeat and pass the course(s) before proceeding to the dissertation phase. After the supplementary examinations (s) those candidates who fail to attain the overall Grade Pont Average of 3.0 shall be discontinued from studies.

Core courses must amount to at least 50% of the total credits completed in the coursework programme.

Course Assessment

Course work (40%)

Final Exam (60%)

Examination Regulations for Dissertations and Theses:

Generally, the university wide regulation will apply.

Part II of the MSc. examination shall consist of an assessment of a dissertation by at least 2 examiners one of whom shall be external to the University. Examiners may require the candidate to present himself/herself for oral questioning in addition to such other examinations as may be prescribed.

There shall be no classification of MSc. Degree.

CoreCourses

Code	Course Title	Credits
GI 602	Research Methodology for Marine Scientist	8
GI 614	Remote Sensing for Marine and Coastal Environment	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

Code	Course Title	Credits
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

Code	Course Title	Credits
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

Optional Courses

Code	Course Title	Credits
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

MSc (SUSTAINABLE FISHERIES MANAGEMENT - SUFIM) BY COURSEWORK AND DISSERTATION

The MSc SUFIM degree programme, which is designed to run for 24 months (full time), consists of the coursework part and dissertation part. The coursework part, which is conducted during the first year, consists of 10 core courses, six of which (48 credits) will be offered during the first semester and the remaining 4 (32 credits) will be offered during the second semester. In addition to the core courses, the programme consists of 12 elective courses, 6 of which (60 credits) will be offered during the first semester and the remaining six (64 credits) offered during the second semester. During the coursework part of the programme, courses offered will be assessed through continuous assessment (written assignments/tests, seminar presentations, practical training) and university examination. The continuous assessment will carry 40% while the final University Examination will carry a maximum of 60%. A pass mark for each examinable course shall be 50% (B grade). The dissertation research work will also be governed by the UDSM guidelines and regulations. To complete the coursework part of the programme, students should complete a minimum number of 126 credits. After completing the coursework part of the programme students will be required to undertake a dissertation research

project which is done during the second year. The dissertation is assigned a weight of 54 credits. Thus, the minimum number of credits needed for the students to graduate under the Masters of Science in Sustainable Fisheries Management by Coursework and Dissertation programme is 180 Credits. The programme is aimed at:

- i. 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;
- ii. 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% high skilled ones are increased to at least 12%.
- iii. Contributing to the UDSM role as reliable national source of high calibre experts and professionals.

Distribution of MSc (SUFIM) course credit hours

Course	Core/ Optional	Hours					Total Hrs	Credits
		Lectures	Seminar/ Tutorial	Assign- ments	Inde- pendent studies	Practical training		
Semester 1								
SF 601	Core	30	15	15	10	10	80	8
SF 602	Core	30	15	15	10	10	80	8
SF 603	Core	30	15	15	10	10	80	8
SF 604	Core	30	15	15	10	10	80	8
SF 605	Core	30	15	15	10	10	80	8
GI 602	Core	30	15	15	10	10	80	8
SF 606	Elective	30	15	15	10	10	80	8
SF 607	Elective	30	15	15	10	10	80	8
SF 611	Elective	30	15	15	10	10	80	8
SF 615	Elective	45	30	15	15	15	120	12
GI 604	Elective	30	15	15	10	10	80	8
SF 616	Elective	45	30	15	15	15	120	12
Semester 2								
SF 609	Core	30	15	15	10	10	80	8
SF 610	Core	30	15	15	10	10	80	8
SF 617	Core	30	15	15	10	10	80	8
SF 608	Core	30	15	15	10	10	80	8
SF 618	Elective	45	30	15	15	15	120	12
SF 612	Elective	30	15	15	10	10	80	8
SF 613	Elective	30	15	15	10	10	80	8
SF 614	Elective	45	30	15	15	15	120	12
GI 605	Elective	45	30	15	15	15	120	12

MR 601	Elective	45	30	15	15	15	120	12
SF 699	Dissertation							54

Programme structure for the MSc (SUFIM) by Coursework and Dissertation

Year	Semester I					Total credits	
	Code	Course title	Status	Credits			
I	SF 601	Marine Ecosystem and Fisheries Resources	Core	8		48	
	SF 602	Fish and Invertebrate Biology	Core	8			
	SF 603	Fish Population Dynamics and Fisheries Ecology	Core	8			
	SF 604	Fisheries Data Analysis and Statistics	Core	8			
	SF 605	Fisheries Law and Policy	Core	8			
	GI 602	Research methodology for marine scientists	Core	8			
	A student will choose at least 12 credits from the following						
	SF 611	Ecosystem Approach to Fisheries	Optional	8		15	
	SF 607	Aquaculture	Optional	8			
	SF 606	Fisheries Oceanography	Optional	8			
	SF 615	Biophysical interactions in the Marine Environment	Optional	12			
	GI 604	Case studies in GIS and Remote Sensing	Optional	8			
	SF 616	Fisheries Economics	Optional	12			
	Total (Minimum required)					63	
	Semester II						
SF 609	Fish Stock Assessment	Core	8		32		
SF 610	Fisheries Governance	Core	8				
SF 617	Social Science Perspectives in Fisheries Management	Core	8				
SF 608	Fish Sampling Techniques	Core	8				
A student will choose at least 28 credits from the following							
SF 618	Economics of Renewable Resources	Optional	12		31		
SF 612	Marine Protected Areas	Optional	8				
SF 613	Fish Trading and Processing	Optional	8				
SF 614	Genetics in Fisheries and Aquaculture	Optional	12				
GI 605	GIS and Remote Sensing for Marine and Coastal Environment	Optional	12				
MR 601	Sustainable Utilisation of Coastal and Marine Resources	Optional	12				
Total (Minimum required)					63		
II	SF 699	Dissertation				54	
Grand total credits						180	

MSc. (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, 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 (APPLIED MARINE SCIENCES –AMS) BY COURSEWORK AND DISSERTATION

The PhD AMS programme will be undertaken in four years (full-time) whereby the first year will be spent on coursework and the second, third and fourth years will be on dissertation research as per UDSM Postgraduate Guidelines (2013).

The coursework part offers two specialisations, namely mariculture development and marine fisheries management, and it is conducted during the first year. It consists of five (5) core (compulsory) courses for the mariculture development stream and six (6) core courses (for the marine fisheries management stream), where in each case 90 credits are offered during the first semester and the remaining 60 credits are offered during the second semester. In addition to the core courses, the programme consists of 4 elective (optional) courses each with 15 credits that will be offered during the second semester. To complete the coursework part of the programme, students should complete a minimum number of 180 credits. After completing the coursework part of the programme students 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.

Distribution of course credit hours

Specialization I: Mariculture Development

Course	Core/ Optional	Hours					Total Hrs	Credits	
		Lectures	Seminar/ Tutorial	Assignments	Independent studies	Practical training			
Semester 1									
OC 701	Core	30	30	30	180	30	300	30	
CR 702	Core	30	30	30	180	30	300	30	
OC 703	Core	30	30	30	180	30	300	30	
Semester 2									
MD 701	Core	30	30	30	180	30	300	30	
MD 702	Core	30	30	30	180	30	300	30	
CR 710	Optional	15	15	15	90	15	150	15	
MD 711	Optional	15	15	15	90	15	150	15	
GI 712	Optional	15	15	15	90	15	150	15	
OC 713	Optional	15	15	15	90	15	150	15	
MD 799	Dissertation								360

Specialization II: Marine Fisheries Management

Course	Core/ Optional	Hours					Total Hrs	Credits
		Lectures	Seminar/ Tutorial	Assign- ments	Inde- pendent studies	Practical training		
Semester 1								
OC 701	Core	30	30	30	180	30	300	30
CR 702	Core	30	30	30	180	30	300	30
OC 703	Core	30	30	30	180	30	300	30
Semester 2								
CR 701	Core	30	30	30	180	30	300	30
CR 714	Core	15	15	15	90	15	150	15
CR 723	Core	15	15	15	90	15	150	15
CR 710	Optional	15	15	15	90	15	150	15
MD 711	Optional	15	15	15	90	15	150	15
GI 712	Optional	15	15	15	90	15	150	15
OC 713	Optional	15	15	15	90	15	150	15
CR 799	Disserta- tion							360

Programme structure for the Doctor of Philosophy degree in Applied Marine Sciences with two specialisations, namely Mariculture Development and Marine Fisheries Management

Specialization I: Mariculture Development

Year	Semester 1				
	Course code	Course title	Status	Credits	Total Credits
I	OC 701	Applied Oceanography in Fisheries and Mariculture	Core	30	90
	CR 702	Socio-economics of Marine Fisheries and Mariculture	Core	30	
	OC 703	Approaches to Scientific Investigation and Dissemination	Core	30	
Semester II					
	MD 701	Trends in Mariculture Production and Technology	Core	30	60
	MD 702	Applied Marine Biology and Biotechnology	Core	30	
	A student will chose at least 30 credits from the following				
	CR 710	Coastal and Marine Governance	Optional	15	30
	MD 711	Synergistic aspects of fisheries and mariculture	Optional	15	
	GI 712	Coastal and Marine GIS and Remote Sensing	Optional	15	
	OC 713	Climate Change and Marine Resources Management	Optional	15	

	Total (Minimum required)				180
Years II-IV	MD 799	Dissertation	Core	360	360
Grand total credits					≥540

Specialization II: Marine Fisheries Management

Year	Semester 1				
	Course code	Course title	Status	Credits	Total Credits
I	OC 701	Applied Oceanography in Fisheries and Mariculture	Core	30	90
	CR 702	Socio-economics of Marine Fisheries and Mariculture	Core	30	
	OC 703	Approaches to Scientific Investigation and Dissemination	Core	30	
	Semester II				
	CR701	Ecosystem Based Approach to Marine Fisheries Management	Core	30	60
	CR 714	Fish Processing Technology and Post-harvest Management	Core	15	
	CR 723	Fish Biology and Taxonomy	Core	15	
	A student will chose at least 30 credits from the following				
	CR 710	Coastal and Marine Governance	Optional	15	30
	MD 711	Synergistic aspects of fisheries and mariculture	Optional	15	
	GI 712	Coastal and Marine GIS and Remote Sensing	Optional	15	
	OC 713	Climate Change and Marine Resources Management	Optional	15	
	Total (Minimum required)				
Years II-IV	CR 799	Dissertation	Core	360	360
Grand total credits					540

PhD (MARINE SCIENCES) BY THESIS

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 the supervisor. After this initial process the student is required to develop (within 6 months) 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, full registration of the student is granted.

IMS STAFF LIST

Office of the Director

Senior Lecturer and Director

M.S. Kyewalyanga, BSc (Dar), MSc, PhD (Dalhousie)

Senior Lecturer and Deputy Director

M.M. Mamgora, BSc, MSc (SUA), PhD (Dar)

Senior Administrative Officer

A.M. Mwakalukwa, DipBA (CBE), BAPSPA (Dar)

Principal Accountant and Head of Finance

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D.C.P. Masalu, BSc (Dar), BSc (AICS), MSc (Tokyo), DSc (Tokyo)

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M.M. Mangora, BSc, MSc (SUA), PhD (Dar)

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*B.A. Tarimo, BSc, MSc (Dar)

*B.M. Yahya, BSc, MSc (Dar)

Technicians

E. E. Mvunyi, FTC (Dar), BSc (OUT)

M. M. Mwadini, Dip Fish Processing (Mbegani), BSc (OUT)

Able Seaman

I. K. Ramadhan

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*C. H. Matem, BSc (Dar), MSc (Florida)

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M. K. Maalim, MSc (Ryukyus), PhD (Ardhi)

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M. A. Khamis

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Senior Lecturers on contract

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Assistant Lecturers

R. Sabuni, BSc (Dar), MSc (Ibadan)

V. Swai, BSc (Dar), MSc (VUB)

Others

System Administrator

Vacant

Senior Library Officer

F.A. Uki, BA (TUDARCo), MA (Dar)

* *On Study Leave*

** *On Sabbatical*

*** *On contract*

INSTITUTE OF RESOURCE ASSESSMENT (IRA)

The Institute of Resource Assessment (IRA) offers five postgraduate programmes related to natural resource assessment and management. The programmes are: M.Sc. in Natural Resource Assessment and Management (M.Sc. NARAM), M.Sc. in Climate Change and Sustainable Development (M.Sc. CC & SD), Doctor of Philosophy (PhD NARAM) by thesis, Doctor of Philosophy (PhD CC & SD) and Doctor of Philosophy (PhD NARAM) by coursework and dissertation.

Table 1: Postgraduate programmes Offered by the Institute of Resource Assessment (IRA)

S/N	Programme Title	Mode of delivery	Programme status	Duration	Tuition fee	
					Tanzanian (TShs) per year	Non Tanzanian (US\$) per year
1	M.Sc. NARAM	Coursework and Dissertation	Full time	18 months	2,700,000	4,020
2	M.Sc. NARAM	Thesis	Full time	24 months	2,500,000	4,020
3	M.Sc. CC & SD	Coursework and Dissertation	Full time	18 months	2,700,000	4,020
4	M.Sc. CC & SD	Thesis	Full time	24 months	2,500,000	4,020
5	PhD NARAM	Coursework and Dissertation	Full time	48 months	2,500,000	4,020
6	PhD NARAM	Thesis	Full time	36 months	2,500,000	4,020
7	PhD CC&SD	Coursework and Dissertation	Full time	36 months	2,500,000	4,020

MASTER OF SCIENCE IN NATURAL RESOURCE ASSESSMENT AND MANAGEMENT (M.Sc. NARAM)

Entry Qualifications requirement: Bachelor of Science, or Bachelor of Arts degree with relevant field of specialization such as Agriculture, Botany, Zoology, Forestry, and Social Sciences e.g. Geography, Population Studies etc, from institutions recognized by the TCU. Also, UDSM admission regulations will apply for this programme

Duration: 18 months

Assessment: Course work 40%

Final examination: 60%

Dissertation Graded

The General UDSM Examination Regulations for postgraduate programmes will also be applied.

Program Structure:

The entire programme which takes 18 months requires a student to acquire a minimum of 180 credits. In the first and second semester, the students will take 6 core courses and 4 elective courses selecting 2 elective courses per semester, providing a total of 120 credits. In addition, the student in the last six months will write a dissertation with 60 credits (Table 2)

Table 2: Course distribution/contents

SEMESTER 1			
Course Code	Course title		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	Optional	12
RM 608	Climate Change and Variability	Optional	12
CC 600	Science of Climate Change	Optional	12
CC 602	Vulnerability and impacts of Climate Change	Optional	12
SEMESTER 2			
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	Optional	12
CC 604	***Climate Change Governance	Optional	12
CC 605	***Environment, Sustainable Development and Climate Change	Optional	12
SEMESTER 3			
RM 699	Dissertation		60
NB: *** Courses offered in other Academic programmes			

Master of Science in Climate Change and Sustainable Development (MSc. CC&SD)*Entry Qualifications:*

University of Dar es Salaam admission regulations will apply for this programme. Also, 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 recognized University.

<i>Programme Duration:</i>	18 months	
<i>Assessment:</i>	Course work	50%
	Final examination:	50%
	Dissertation	Graded

The General UDSM Examination Regulations for postgraduate programmes will also be applied.

Programme structure

M.Sc. CC & SD degree is 18 month programme. A student will be required to acquire a minimum of 180 credits to graduate. In the first and second semester the students will take 6 core courses and 4 elective courses (2 elective courses per semester) providing a total of 120 credits. In the third semester the students will write a dissertation which carries 60 credits (Table 3)

Courses Distribution/ Allocation per Semester

Table 3 Course Distribution

SEMESTER 1		
Core Courses		
Code	Course Title	Credits
CC 600	Science of Climate Change	12
CC 602	Vulnerability and Impacts of Climate Change	12
CC 603	Response to Climate Change	12
Optionalcourses		
CC 606	Ecosystems Management	12
CC 607	Climate Change, Food and Water Security	12
CC 609	Climate Change and Gender	12
CC 613	Climate Change And Engineering	12
RM 604	*** Population, Development and Environment	12
GE 621	*** Urban and Rural Planning	12
SEMESTER 2		
Core courses		
CC 601	Research Methodology: Methods & Techniques	12
CC 604	Climate Change Governance	12
CC 605	Environment, Sustainable Development and Climate Change	12
Optionalcourses		
CC 608	Infrastructure, Energy Systems and Climate Change	12
CC 610	Communicating Climate Change	12
CC 611	Economics of Climate Change	12
CC 614	Climate Change and Human Security	12
CC 615	Climate Change and Environmental Impact Assessments	12
NB: *** Courses offered in other Academic programmes		
SEMESTER 3		
CC 669	Dissertation	60

Doctor of Philosophy PhD (NARAM)

Entry qualification: 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 recognized university.

Duration: 48 Month

Assessment: Course work 50%

Final examination: 50%

Dissertation Graded

The General UDSM Examination Regulations for postgraduate programmes will strictly be followed.

Courses Structure: The entire programme requires a student to take a minimum of 600 credits (330 credits for Coursework including comprehensive examination and 270 credits for Dissertation), covering Six (6) core courses which are compulsory and Six (6) optional courses. The student will also be required to write a dissertation which is regarded as a core course.

Distribution of Courses and credits

First Year Semester I		
Course Code	Course Title	Credits
	<i>Core course</i>	
RM 700	Applied Ecology and Ecosystem Management	30
RM 701	Natural Resources Governance	30
RM 702	Development and Natural Resource Management	30
	<i>Optional Courses</i>	
RM 706	Renewable and Non-renewable Energy Resources	30
RM 707	Climate Change and Development	30
EV 72*	Water Resources and Soil Management	24

Year 1 Semester II

	<i>Core Courses</i>	Credit
RM 703	Human Dimensions in Natural Resources management	30
RM 704	Research Methods in Natural Resources Assessment and Communicating Research Findings	30
RM 705	Agriculture and Food Security in a Changing Environment	30
RM 709	Environment and Natural Resource Economics	30
RM 710	Gender and Natural Resources Management	30
GE 715*	Environmental Disaster Risk Management and development	24

Second, Third and Fourth Years

Comprehensive Examination	Core	30
RM 799 Dissertation	Core	270

*Course offered in other academic programmes

Doctor of Philosophy PhD (NARAM) and PhD (CC & SD)

The PhD (NARAM) and PhD (CC & SD) programmes by thesis are offered through research followed by writing a thesis.

Entry Qualifications: UDSM admission regulation will apply to both programmes. In addition, a candidate for admission to the Doctor of Philosophy degrees must have a relevant Master’s degree from the University of Dar es Salaam or an Equivalent one from any other institution recognized by TCU.

Programmes Duration: The duration of each of the programme is 36 months

Assessment: The theses will be graded

Master of Science in Natural Resource Assessment and Management (M.Sc. NARAM)

M.Sc. (NARAM) by thesis is offered through research followed by writing a thesis

Entry Qualification: At least an Honours upper second degree in a relevant field

Duration: The registration period for the M.Sc. (NARAM) by Thesis is 24 months

Assessment: MSc. thesis is graded

Master of Science in Climate Change and Sustainable Development (MSc. CC&SD)

MSc. CC&SD by thesis is offered through research followed by writing a thesis

Entry Qualification: At least an Honours upper second degree in a relevant field

Duration: The registration period for the M.Sc. (NARAM) by Thesis is 24 months

Assessment: MSc. thesis is graded.

STAFF LIST

Senior Lecturer and Acting Director

Dr. Joel Norbert, B.Sc. (Dar), MSc. (Dar), PhD (Yokohama)

Professor

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Acting Director at CCCS

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Senior Laboratory Scientist II

T. Mndeme, Cert. in Cartog. (Tabora), Dip. Comp. Science (Dar)

Senior Cartographic Technician II

A. Mushi, Diploma in Cartog. (Horsens Poly, Denmark), B.Sc. (Dar)

Accountant

D. Nassoro, B.Com (Dar), M.Sc. (Scotland)

Senior Supplies Officer II

Grace Sylvester Kassara , ADPSM (Dar), MBA (Mzumbe)

Senior Systems Administrator II

C. P. Kikwaya, B.Sc., M.Sc. (Dar)

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, namely: Department of Education Psychology and Curriculum Studies and the Department of Educational Foundations, Management and Lifelong Learning .The Faculty of Humanities and Social Sciences has three departments, namely: Department of Languages and Literature; Department of History, Political Science and Development Studies; and the Department of Geography and Economics. The Faculty of Sciences has three departments namely: Department of Chemistry; Department of Physics, Mathematics and Informatics; and the Department of Biological Sciences.

DUCE has facilities in all faculties to enable students to undertake advanced work and research under supervision for the Postgraduate Diploma, M.A (ed) M.A (Public Admin) and MSC (Ed) degrees of the University of Dar es Salaam.

M.A (Ed), M.A (Public Admin) and MSC (Ed) degrees are offered by coursework and dissertation and last for 24 months. The duration for PGDE is 12 months.

Regulations

All University Regulations on the conduct of postgraduate studies apply.

Eligibility for Admission into the M.A (Ed), M.A (Public Admin), MSC (Ed) & PGDE Programmes

To be eligible for admission, the candidate must fulfill the following conditions:

- i) For M.A (Ed), MSC (Ed) and M.A (Public Admin)-A good Bachelor's degree with at least a lower second class with a GPA of not less than 2.7 or its equivalent; or
- ii) A first degree in a specific subject plus a Postgraduate Diploma in Education (PGDE) for M.A (Ed) and MSC (Ed)
- i) For PGDE- a first degree or advanced diploma in any field other than education

Dissertation/ Research Projects

M.A (Ed), M.A (Public Admin) and MSC (Ed) candidates who have successfully completed the coursework phase will be allowed to proceed to the dissertation/research project phase. The degree for these programmes will not be granted until the dissertation/research project has been satisfactorily completed.

Assessment

Coursework 50%, Final University Examinations 50%, Dissertation/Project Report- Graded

MEMBERS OF THE GOVERNING BOARD

Year	Semester 1			
1	Code	Title	Status	Credits
	ML 631	Advanced Phonology	Core	12
	CT 600	Curriculum and Teaching	Core	24
	<i>A Student will choose 24 Credits from the Following</i>			
	ML 630	Articulatory and Acoustic Phonetics	Optional	12
	EP 603	Psychology of Child Development	Optional	24
	EP 604	Theories of Teaching and Learning	Optional	24
	ML 636	Sociolinguistics of International Languages	Optional	12
	AE 601	Open and Distance Learning	Optional	24
	ML 645	Language Assessment and Evaluation	Optional	12
	Total			60
	Semester 2			
	EF 601	Comparative Education	Core	24
	ML 632	Advanced Morphology	Core	12
	ML 633	Advanced Syntax	Core	12
	<i>A Student will choose 12 Credits from the Following</i>			
	ML 637	Translation	Optional	12
	ML 635	Theory and Practice in Writing	Optional	12
	ML 641	Advanced Historical and Comparative Linguistics	Optional	12
	ML 646	Stylistics	Optional	12
ML 640	Contact Linguistics	Optional	12	
Total			60	
2	Semester 1			
	ML 650	Research Methods for Linguists	Core	12
	EA 601	Policy, Planning and Administration	Core	24
	<i>A Student will choose 24 Credits from the Following</i>			
	EA 603	Educational Planning and Financing	Optional	24
	PE 601	Youth and Sports Development	Optional	24
	CT 607	Advanced Curriculum Development	Optional	24
	ML 638	Lexicography	Optional	12
	ML 643	Advanced Second Language Acquisition	Optional	12
	ML 647	African Language Structures	Optional	12
	ML 634	Advanced Semantics	Optional	12
	ML 644	Language Course Design - Syllabus and Materials	Optional	12
	Total			60
Semester 2				
MA 699	Research Report	Core	24	
Grand Total			204	

FACULTY OF HUMANITIES AND SOCIAL SCIENCES

1. MASTER OF ARTS WITH EDUCATION (M.A. (ED) FULL TIME

The entire programme requires a student to take a minimum of 180 credits. There are four (4) compulsory courses for all streams, each with twenty four (24) credits, totaling 96 credits. The student is also required to take seven (7) optional courses, each with twelve credits, totaling 168 credits. The research report has 24 credits.

Table 1: Core Courses

The Proposed Programme will have five streams with core courses for all streams as follows:

Code	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/Option Courses

Each candidate will be required to select two courses from the list indicated in Table 2

Table 2: Electives/Option Courses

Code	Title	Status	Credits
EP 603	Psychology of Child Development	Optional	24
EP 604	Theories of Teaching and Learning	Optional	24
AE 601	Open and Distance Learning	Optional	24
EF 601	Comparative Education	Core	24
EA 603	Educational Planning and Financing	Optional	24
PE 601	Youth and Sports Development	Optional	24
CT 607	Advanced Curriculum Development	Optional	24

Courses for Each Stream

The M.A (Ed) programme has six streams as shown from table 3 to table 9 below.

Table 3: Programme Structure for Linguistics Stream

Table 4: Programme Structure for Literature Stream

Year	Semester 1			
1	Code	Title	Status	Credits
	LT 610	Literary Theory and Criticism	Core	12
	CT 600	Curriculum and Teaching	Core	24
	LT 611	Evolution of African Writing	Core	12
	<i>A Student will choose 24 Credits from the Following</i>			
	LT 615	Linguistics Studies of the Novel	Optional	12
	EP 603	Psychology of Child Development	Optional	24
	EP 604	Theories of Teaching and Learning	Optional	24
	LT 600	Dramaturgy and Dramatic Literature	Optional	12

	LT 613	Prison and Exile Literature	Optional	12
	LT 619	Perspectives in Writing	Optional	12
	Total			72
	Semester 2			
	EF 601	Comparative Education	Core	24
	LT 612	Studies in the Epic	Core	12
	LT 614	Trends in Modern Literature	Core	12
	LT 618	Postcolonial Literature	Core	12
	LT 620	Sociology of Literature	Core	12
	Total			72
2	Semester 1			
	LT 616	Research Methods	Core	12
	EA 601	Policy, Planning and Administration	Core	24
	LT 617	Folklore and Society	Core	12
	<i>A Student may choose 24 Credits from the Following</i>			
	EA 603	Educational Planning and Financing	Optional	24
	PE 601	Youth and Sports Development	Optional	24
	CT 607	Advanced Curriculum Development	Optional	24
	Total			72
	Semester 2			
	MA 699	Research Report	Core	24
Grand Total				216/240

Table 5: Programme Structure for Geography Stream

Year	Semester 1			
1	Code	Title	Status	Credits
	GE 630	Geographic Thought	Core	12
	GE 631	Climate Change and Human Adjust-ments	Core	12
	CT 600	Curriculum and Teaching	Core	24
	<i>A Student will choose 24 Credits from the Following</i>			
	EP 603	Psychology of Child Development	Elective	24
	EP 604	Theories of Teaching and Learning	Elective	24
	AE 601	Open and Distance Learning	Optional	24
	GE 628	Population, Resources and Environ-ment	Optional	12
	GE 641	Environmental Disaster Management and Sustainable Human Development	Optional	12
	Total			72
	Semester 2			
	EF 601	Comparative Education	Core	24
	GE 634	Spatial Development Theories and Environmental Resources Management	Core	12

2	GE 633	Applied Geographical Information Systems	Core	12
	GE 632	Geographical Research Methods	Core	12
	<i>A Student will choose 12 Credits from the Following</i>			
	GE 637	Tourism and Development	Optional	12
	GE 643	Water Resources, Planning and Management	Optional	12
	GE 644	Environment, Food and Development	Optional	12
	Total			72
	Semester 1			
	GE 645	Strategic Urban Environmental Management	Core	12
	EA 601	Policy, Planning and Administration	Core	24
	GE 636	Integrated Natural Resources Management	Core	12
	<i>A Student will choose 24 Credits from the Following</i>			
	EA 603	Educational Planning and Financing	Optional	24
	PE 601	Youth and Sports Development	Optional	24
	CT 607	Advanced Curriculum Development	Optional	24
	GE 635	Environmental Conservation Policies and Strategies	Optional	12
	GE 640	Urban Planning and Management in a Globalizing World	Optional	12
	GE 642	Medical Geography	Optional	12
	Total			72
	Semester 2			
MA 699	Research Report	Core	12	
Grand Total			228	

Table 6: Programme Structure for Kiswahili Linguistics Stream

Year	Semester 1			
1	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
<i>A Student will choose 24 Credits from the Following</i>				
	EP 603	Psychology of Child Development	Optional	24
	EP 604	Theories of Teaching and Learning	Optional	24
	AE 601	Open and Distance Learning	Optional	24
	KI 608	Masuala ya Kisasa katika Isimu-jamii ya Kiswahili	Optional	10
	KI 614	Leksikografia ya Kiswahili	Optional	10
Total			68	

Year	Semester 1			
2	Semester 2			
	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
	<i>A Student will choose 10 Credits from the Following</i>			
	KI 606	Tafsiri: Nadharia na Vitendo	Optional	10
	KI 610	Isimu-linganishi na Isimu-historia ya Lugha za Kibantu	Optional	10
	KI 613	Isimu-tumizi ya Kiswahili	Optional	10
	Total			64
	Semester 1			
	KS 629	Semina ya Uzamili	Core	10
	EA 601	Policy, Planning and Administration	Core	24
	KI 604	Semantiki ya Kiswahili	Core	10
	<i>A Student will choose 24 Credits from the Following</i>			
	EA 603	Educational Planning and Financing	Optional	24
	PE 601	Youth and Sports Development	Optional	24
	CT 607	Advanced Curriculum Development	Optional	24
	KI 611	Nadharia za Kujifunza Lugha ya Pili	Optional	10
	KI 609	Historia na Lahaja za Kiswahili	Optional	10
KI 607	Miundo Changamani ya Kiswahili	Optional	10	
Total			68	
Semester 2				
MA 699	Research Report	Core	12	
Grand Total			210	

Table 7: Programme Structure for Kiswahili Literature Stream

Year	Semester 1			
1	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
	<i>A Student will choose 24 Credits from the Following</i>			
	EP 603	Psychology of Child Development	Optional	24
	EP 604	Theories of Teaching and Learning	Optional	24
	AE 601	Open and Distance Learning	Optional	24
	KF 619	Mshairi Teule	Optional	10
	KF 623	Tendi Simulizi na Andishi katika Kiswahili	Optional	10

Year	Semester 1			
2	KF 620	Fanani Teule	Optional	10
	Total			68
	Semester 2			
	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
	<i>A Student will choose 10 Credits from the Following</i>			
	KF 626	Fasihi katika Tafsiri ya Kiswahili	Optional	10
	KF 625	Fasihi ya Majaribio katika Kiswahili	Optional	10
	KF 621	Kazi Bora za Fasihi ya Kiswahili	Optional	10
	KF 628	Elimu-mitindo ya Fasihi ya Kiswahili	Optional	10
	Total			64
	Semester 1			
	KS 629	Semina ya Uzamili	Core	10
	EA 601	Policy, Planning and Administration	Core	24
	KF 617	Ushairi wa Kiswahili	Core	10
	<i>A Student will choose 24 Credits from the Following</i>			
	EA 603	Educational Planning and Financing	Optional	24
	PE 601	Youth and Sports Development	Optional	24
	CT 607	Advanced Curriculum Development	Optional	24
	KF 627	Historia ya Taaluma ya Fasihi ya Kiswahili	Optional	10
	KF 624	Ngano za Kiswahili	Optional	10
	KF 622	Wanawake Katika Fasihi ya Kiswahili	Optional	10
Total			68	
Semester 2				
MA699	Research Report	Core	12	
Grand Total			210	

Table 8: Programme Structure for History Stream

Year	Semester 1			
1	Code	Title	Status	Credits
	HI 605	Theory of History	Core	12
	HI 606	Historiography of Africa	Core	12
	CT 600	Curriculum and Teaching	Core	24
	<i>A Student will choose 24 Credits from the Following</i>			
	EP 603	Psychology of Child Development	Optional	24
	EP 604	Theories of Teaching and Learning	Optional	24

	AE 601	Open and Distance Learning	Optional	24
	HI 614	Diseases and healing in Africa: Late 19 th century to the present	Optional	12
	HI 612	Topics in Tanzania environmental history	Optional	12
	Total			72
	Semester 2			
	EF 601	Comparative Education	Core	24
	HI 608	Preparation of history research proposals	Core	12
	HI 609	Global capitalism and Africa	Core	12
	<i>A Student will choose 12 Credits from the Following</i>			
	HI 613	History of labour in sub-Saharan Africa	Optional	12
	HI 610	African history and allied sciences	Optional	12
	AY 620	History of Heritage Conservation	Optional	12
	Total			60
2	Semester 1			
	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
	<i>A Student will choose 24 Credits from the Following</i>			
	EA 603	Educational Planning and Financing	Optional	24
	PE 601	Youth and Sports Development	Optional	24
	CT 607	Advanced Curriculum Development	Optional	24
	KF 627	Historia ya Taaluma ya Fasihi ya Kiswahili	Optional	10
	AY 624	Heritage for Tourism	Optional	12
	AY 625	Heritage Management and Conservation	Optional	12
	Total			72
	Semester 2			
	MA 699	Research Report	Core	12
Grand Total				210

2.MA Public Administration (Evening) Programme

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 a dissertation

Table 9: Programme Structure

S/N	Code	Course Title & Year of Study	Credits	Core/Optional	Semester
Year 1					
1	PS 601	Principles and Methods in Social Science Research	12	Core	I
2	PA 603	Administrative Theory: Models, Concepts and Paradigms	12	Core	
3	PA 605	Public Policy	12	Core	
4	PA 606	Human Resource Management	12	Core	
5	PA 616	Corporate Governance	12	Optional	
6	PA 617	Local Governance	12	Optional	
7	PA 604	Public Finance Management	12	Core	II
8	PA 607	Administrative and Labour Laws	12	Optional	
9	PA 613	Employee and Labour Relations	12	Optional	
10	PA 618	Organizational Development and Change	12	Optional	
11	PA625	Managing Public Services	12	Optional	
12	PS625	Gender and Governance	12	Optional	
Year 2					
13	PA 699	Dissertation	60	Core	

FACULTY OF SCIENCE**M.Sc (Ed.) Biology and Chemistry Streams**

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 dissertation during the second year. Therefore, the minimum load for a candidate to graduate is 216 credits.

The following courses are offered:

Education Courses**Core Courses**

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	

Optional Courses

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

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	72	
Total		144	

Optional Courses

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

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	72	I&II
	Total	132	

Optional Courses

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

POSTGRADUATE DIPLOMA IN EDUCATION (PGDE) (EVENING/ONLINE)

The students are expected to complete the programme in 12 Months. The entire programme requires a student to take a maximum of **156** credits.

Nine (9) compulsory courses, each with twelve (12) credits, totaling 108 credits

Two (2) optional courses, each with twelve (12) credits, totaling 24 credits

One practicum course with 24 credits

Table 1: Core Courses

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 & 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: Optional Courses

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 & Organizational Behaviour.	12
EA 501	Human Resources Development in Educational Organizations.	12
EF 501	Sociology of Education	12
EP 504	Educational Guidance and Counseling	12
PE 501	Theory and Practice of Fitness Promotion	12

TUITION FEES

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TShs.)	Non-Tanzanian (USDS)
	Postgraduate Diploma in Education (PGDE)	Coursework and Project Paper	Evening	12 months	2,750,000	3,075
	Postgraduate Diploma in Education (PGDE)	Coursework and Project Paper	Online	12 months	2,000,000	3,075
	Master of Arts with Education (MAED)	Coursework and Dissertation or Thesis	Fulltime	24 months	4,000,000	6150
	Master of Science with Education	Coursework and Dissertation	Fulltime	24 months	4,250,000	6150
S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
	Master of Arts in Public Administration	Coursework and Dissertation	Evening	24 months	Tanzanian (TShs.)	Non-Tanzanian (USDS)
					5,000,000	6030

COLLEGE STAFF LIST

College Principal

Ag. College Principal

Prof. S. Maluka, BA, MA (Dar), PhD (Umea)

Deputy Principal (Academic)

Dr. J. Mbuna B.Sc. (Ed), MSc. (Dar), PhD (Okayama)

Deputy Principal (Administration)

Dr. M. Samwel, B.A. (Ed.), M.A. (Ling), PhD. (Dar)

Dean of Students

Ms. N. Msuya, B.A.(Ed), M.A. (ASP)(Dar)

Director, Library

L. Mkonongwa, Dip. Ed. (Morogoro), B.A.(Ed), M.A. (ASP) (Dar), PhD. (Dublin)

Bursar

Mr. M. Mohamed, CPA (T)

Coordinator Undergraduate Studies

H. Onditi, B.Ed (Psy), M.A.(ASP) (Dar), PhD (UBC)

Coordinator Postgraduate Studies and Research

Dr. E. Babeiya, B.A, M.A. (Dar), PhD. (Dar)

Coordinator Quality Assurance

Dr. E. Mbukwa, B.Sc. (Ed) (Dar), M.Phil. (UB), PhD. (Johannesburg)

Coordinator Gender Unit

Dr. I. Mosses, B.Sc. (Dar), M.Sc. (UB), PhD. (Ryukyus)

Coordinator Demonstration Schools

S. M. Kejo, B.A. (Ed), M.A.(Ed.) (Dar), PhD (Victoria)

Dean, Faculty of Education

J. J. Kayombo, B.Ed (Dar), M. Ed. (Shanghai), PhD (Beijing)

Dean, Faculty of Humanities and Social Sciences

Dr. E. Mwita, B.A, M.A (Dar), PhD. (Bonn)

Dean, Faculty of Science

D. Kacholi, B.Sc. (SUA), M.Sc. (Dar), Ph.D. (Georg-August)

FACULTY OF EDUCATION

Lecturer and Dean

J. J. Kayombo, B.Ed (Dar), M. Ed. (Shanghai), PhD (Beijing)

Lecturer and Associate Dean

B.P. Mlyakado, B.Ed. (Arts) (Dar), M.A (Dar), PhD (CityU)

Lecturer and Coordinator (Practicum)

Dr N. Rukondo, B.A. (Ed), M.A. (Ed) (Dar), Ph.D (Dar)

Department of Educational Psychology and Curriculum Studies

Lecturer and Head

F. Kyaruzi, B.Ed, MED (Sc) Dar, Ph.D (LMU-Munich)

Lecturers

**A. C. Kafyulilo, B.Ed (PESC), M.A. (Ed) (Dar), M.Sc. (EST), Ph.D. (Twente)

A. M. Machumu, B.A(Ed), M.A. (ASP), Ph.D. (Dar)

A. Mwalongo, B.A (Ed.), M. Ed (Karachi), PhD (Waikato)

B. Mazzuki, B.Ed (Arts) Dar, M.A. (Ed) (Dar), Ph.D (Dar)

B. P. Mlyakado, B.Ed. (Arts) (Dar), M.A (Dar), PhD (CityU)

F. Kyaruzi, B.Ed, MED (Sc) Dar, Ph.D (LMU-Munich)

H. Onditi, B.Ed (Psy), M.A.(ASP) (Dar), Ph.D (UBC)

I. Buberwa, BA (Ed) (Dar), MPhil (Higher Ed) (Oslo), PhD (Dar)

I. Moses, B.Ed., M.A. (ASP) (Dar), PhD (Leiden)

J. L. Nzilano, Dip.Ed. (Morogoro), B.Ed. (Arts), M.A. (Ed) (Dar), PhD (Victoria)

K. L. Luhende, B.A (Ed.), M.A. (ASP) (Dar), Ph.D (Dar)

K. Mjege, B.Ed (Dar), MIE (Massachusetts), PhD (Beijing)

L. Mkonongwa, Dip. Ed. (Morogoro), B.A.(Ed), M.A. (ASP) (Dar), Ph.D. (Dublin)

M. B. Mgumba, B.A. (Ed.) M.A (ASP) (Dar), Ph.D (Dar)

N. Mabula, B.Sc. (Ed), M.A. (ASP) (Dar), Ph.D (Konstanz)

N. Rukondo, B.A. (Ed), M.A. (Ed) (Dar), Ph.D (Dar)

R. J. Mwakabenga Dip. Ed. (Mpwapwa) R. J.

S. M. Kejo, B.A. (Ed), M.A.(Ed.) (Dar), Ph.D (Victoria)

T. Venance BA, M.A. (Ed) Dar, PhD (LMU-Munich)

Assistant Lecturers

**E. Kyaruzi, Dip.Ed.(Monduli), B.A., M.A. (ASP) (Dar)
*F. Masath, B.Ed, M.A. (ASP) Dar
*G. Andrew, B.Ed. (Psych.), M.A. (ASP) (Dar)
*G. Nnko, BEd (Dar), M.A., Dar
**J. Kalinga, B.Ed (Arts), M.A. (Ed.) Dar
**J. Kipanda, B.A.(Ed), M.A. (Ed) Dar
**J. Mayega, B.Ed, M.A.(Ed) (Dar)
*J. Njiku, B.Ed, MEd (Science) Dar
*K. Dadi, B.Ed, MA (Ed.) (Dar)
**K. Haule, B. (Ed), M.A. (Ed.) (Dar)
*L. Gabriel, B.A. Ed, M.A. (Ed) Dar
*P. William, B.Ed, M.A. (ASP) Dar
**S. Mgode, B.Ed.(Psy) ,M.A. (ASP) Dar
*T. Yotham, B.A. (Ed.), M.A.(ASP) (Dar)
E. Kabelege, B.A. (Ed), M.A. (ASP) Dar
F. Kyando B. Ed (Dar),
L.S. Misana, B.A.Ed (Dar)
T. Shukrani

Tutorial Assistants

*A. B. Joseph, B.Ed (Arts) (Dar)
**J. C. Ngunyale, BEd. (Dar)
B. S. Rwimo B. Ed (Dar)
I. M. Miwa B. Ed (Dar)

Department of Educational Foundations, Management and Lifelong Education Lecturer and Head

K. Fulgence, Dip. Ed. (Chang'ombe), B.Ed (Sc), (MBA) (Dar), Ph.D (Siegen)

Senior Lecturer

C. I. Raphael, Dip. Ed. (Mpwapwa) , B.Ed (Arts), MEMA (Dar), PhD (Dublin)

Lecturers

C. L. Chua, Dip. Ed. (Morogoro) B.A.(Ed), M.A. (Ed) Ph.D. (Dar)
C. Swai, B. Ed, M. Ed. (Dar), Ph.D (Dar)
D. Fumpuni, B.A (Ed), M.A. (Ed), PhD (Dar)
J. J. Kayombo, B.Ed (Dar), M.Ed (Shanghai)), PhD (Beijing)
J. L Manase M. Ed, PhD (UDOM)
K. Fulgence, Dip. Ed. (Chang'ombe), B.Ed (Sc), (MBA) (Dar), Ph.D (Siegen)
M. Bilinga, B.A.(Ed), M.A(Ed), Ph.D. (Dar)
P. J. Urrio, Dip. Ed. (Korogwe), B.Ed., M.A. (Ed.) Ph.D. (Dar)
P. Kavenuke, B. (Ed) (Dar), M. Ed. (Shanghai), PhD (Beijing)

Assistant Lecturers

*C. Nziku BA Ed, MEMA (Dar)
*G. Shoo, Dip. Ed. (Mpwapwa), B.Ed (Arts), MEMA (Dar)
*H. Mfaume, B.Ed, M.A. (Ed) Dar
*O. Bethwel, B.Ed (Arts), M.A. (Ed) (Dar)
*R. Mgaya, B.A, MA (Dar)
A. Selemani B.A.(Ed), MA (Ed) (Dar)

G. Kihwele, B.Ed (Arts), MA (Ed) (Dar)
H. Moyo B.A. (Ed) (Dar), MA (Ed) (Liverpool)

Tutorial Assistants

*G.V. Mpiluka, B.Ed (UDOM)

FACULTY OF HUMANITIES AND SOCIAL SCIENCES

Senior Lecturer and Dean

E. Mwita, B.A, M.A (Dar), PhD. (Bonn)

Lecturer and Associate Dean

J. W. Mngumi, B.A, M.A (Dar), PhD (Glassgow)

Department of Economics and Geography

Lecturer and Head

E. Mcharo, B.A, M.A. (Dar), PhD (Nairobi)

Senior Lecturers

A. A. Kinyondo, B.A. (Namibia), M.A. (Ec.) (Botswana), Ph.D. (Monash)

E. Mwita, B.A, M.A, (Dar), Ph. D (Bonn)

Lecturers

D. Sabai, B.A. (Dar), M.Sc. (Netherlands), PhD (Rodes)

A. E. Songoro, B.A, M.Sc. (Dar), PhD (Justus Liebig-Giessen)

J. W. Mngumi, B.A, M.A (Dar), PhD (Glassgow)

E. Paul, B.A, M.A., PhD (Dar)

E. Kwayu, B.A, M.A. (Dar), PhD (Leeds)

A. B. Safari, B.A, M.A. (Ec.) (Dar)

Assistant Lecturers

G. Hinju, B.A (Ec), M.A. (Dar)

*M. Kauky B.A, M.A. (Dar)

*N. Nthangu B.A, M.A. (Dar)

*D. A Lukiko, B.A, M.A (Dar)

S. Jumanne, B.Sc. (Ed.) M.A. (Dar)

S. Lwanga, B.A., M. Sc (Dar)

*N. Msenda B.A. (Dar), M.A (Dar)

A. Miho B.A. (Dar), M.A. (Dar)

*J. Ngondo, B.A. (Dar), M.Sc. (IWW) (Kenyatta)

M. Juvenary, B.A. (Dar), M.Sc. (IWW) (Kenyatta)

B. Ally, B.A. (Dar)

Samwel Lwiza B.A, M.A (Dar)

Magashi Joseph B.A. M.A. (Dar)

Tutorial Assistants

L. Robert, BA (Mzumbe)

Department of Languages and Literature

Lecturer and Head

L. Philip, B.A. (Ed), M.A. (Ling), Ph.D. (Dar)

Senior Lecturers

A. Lusekelo, B.A. (Ed.), M.A. (Dar), Ph.D. (Botswana)
M. Samwel, B.A. (Ed.), M.A. (Ling), Ph.D. (Dar)
D. Goodness, B.A. (Ed), M.A.(Ling), M.Sc. (English Lang. Teaching) (Aston), PhD (Dar)

Lecturers

R. Ndomba, B.A. (Ed.), M.A. (Ling) (Dar), PhD (Dublin)
B. Lema, B.A. (Ed), M.A (Ling), PhD (Dar)
R. J. Mbijima, B.A. (Ed.), M.A (Kisw)., PhD (Dar)
M. Zacharia, B.A (Ed), M.A (Kisw). (Dar), PhD (Beyreuth)
F. Mwendamseke, B.A. (Ed.), M.A (Kisw)., PhD (Dar)
L. Mpalanzi B.A. (Ed.), M.A (Ling).
E. Bwana B.A., M.A. (Bayreuth) Ph.D. (Dar).

Assistant Lecturers

*F. Pangani, B.A., M.A (Ling) (Dar)
P. Ezekiel, B.A., M.A (Ling) (Dar)
*R. Ndimbo, B.A., M.A (Ling) (Dar)
*M. Kassimu, B.A. (Ed), M.A. (Lit) (Dar)
H. Masebo, B.A. (Ed.), M.A. (Ling.) (Dar)
D. Mosha, B.A. (Ed.) (Dar), M.A. (Kenyatta)
*M. Kibiki, B.A (Ed.), M.A (Kisw). (Dar)
*L. Kombe, B.A (Ed.), M.A (Kisw). (Dar)
*C. Constantine, B.A, M.A (Ling) M.A(Dar) (French) (Grenoble) .
*J. Manyasa, B.A, M.A (Ling) M.A(Dar) (French) (Grenoble).
*N. Nelius, B.A, M.A (Ling) M.A (Dar) (French) (Grenoble).
*O. Simile, B.A, M.A (Ling) (Dar)
*A. Chipalo, B.A. (Ed.), M.A. (Ling.) (Dar)
M. Israel, B.A. (Dar), MA (French) (Beau)
S. Misozi, B.A. (Dar), MA (French) (Beau)
*S. S. Bichwa, B.A., M.A. (Kisw) (Dar)
*E. Illonga B.A. (Ed), M.A. (Ling) (Dar)
Y. Lukinga, BA (Ed) M.A (Ed) (Dar)
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S. Msovera, B.A. (Ed.) M.A. (Ling.) (Dar)
D. Atupele, B.A. (Ed.) M.A. (Ling.) (Dar)
M. Mgeja, BA (Dar) M.A (Ed) (Dar)
D. Mwasunda, BA (Dar) M.A (Ed) (Dar)
J. Simeo, BA (Dar) M.A (Ed) (Dar)
M. Kapingu, BA (Ed) M.A (Ed) (Dar)
K. Mdoe, B.A. (Ed.) M.A. (Ling.) (Dar)
S. M., Kiula B.A. (Ed.) M.A. (Ling.) (Dar)
Y. Mung'anya B.A. (Ed.) (SAUT), M.A. (Ling.) (Dar)

Tutorial Assistants

J.E. Lameck, B.A. (Ed.) (Dar)
*F. Hamidu, BA (Dar)
*C. Shao BEd Arts (Dar)
E. Kaswahili B.A (Ed) (Dar)
A. Sadiki B.A. (Ed) (Dar)

Department of History, Political Science and Development Studies

Lecturer and Head

F.J. Mateng'e, B.A, M.A, PhD (Dar)

Senior Lecturers

A. S. Msellemu BA, MA, Ph.D. (Moscow)

E. Babeiya, B.A, M.A, PhD (Dar)

Lecturers

F.J. Mateng'e B.A, M.A, (Dar), PhD (Dar)

B. Meli, B.A, M.A., PhD (Dar)

V. Makulilo, B.A, M.A. (Dar), PhD (Bayreuth)

A. Mazigo, B.A, M.A. (Dar), PhD (Stellenbosch)

D. P. Shayo, B.A. (Ed.) M.A. (Dar) PhD (Muenster)

J. S. Kihamba, B.A, M.A, (Dar)

C. Masawe, BA, MA (Dar), PhD (London)

S. Mhajida, B.A. (Ed.), M.A. (Dar), PhD (Goettingen)

M. Mwaihuti, B.A, M.A. (DS), PhD (Dar)

N.K. Ngullu, B.A. (Ed.), M.A. (Dar), PhD (Goettingen)

R. Kigume, B.A., M.A, PhD (Dar)

Assistant Lecturers

*E. Kihongo, B.A (Ed.), MA (Dar) On Studies

E. M. Kessy, B.A (Ed.), M.A (Dar)

H. M. Machangu, B.A (Ed.), M.A (Dar)

*Y. A. Vokalavene, B.A (Ed.), (Dar), M.A. (London)

*Y. Yuli, B.A, MA (Dar)

*N. Shiyo, B.A (Dar) MA (Mzumbe)

*S. Dini, B.A. (Dar), M.A (Dar) On Studies

G. Magoti, BA (Dar), MA (Mzumbe)

S. Peter, B.A, M.A (Dar)

*C. Masabo, Dip. Ed. (Marangu), BA (Dar), MA (PAU/UYII), Mphil (NTNU)

H. Mtanda, B.A. (Dar), MA (DS) (Dar)

H. Alfan, B.A. (Ed), M.A. (Dar)

S. Mtabazi, B.A, M.A. (Dar)

S. Ayo, B.A. (Ed.) (Dar), M.A (Dar)

P. Emmanuel, B.A, M.A (Dar)

*S. Mwakalinga, B.A. M.A (Dar)

Tutorial Assistants

H.A. Kapuya, B.A. (Dar)

E. Joseph, B.A. (Dar)

A. Kerindo, B.A. (Ed.) (Dar)

J. Njelekela, BAEd (Dar)

M. Ntuah, BA (Dar)

H. Balalu, BAEd (Dar)

*B. Misana, BA Ed (Dar)

FACULTY OF SCIENCE

Senior Lecturer and Dean

D. Kacholi, B.Sc. (SUA), M.Sc. (Dar), Ph.D. (Georg-August)

Lecturer and Associate Dean

J. T. Zacharia, B.Sc. (Ed), M. Sc. (Dar) Ph.D. (Kobe)

Senior Lecturers

J. Mbuna, B.Sc. (Ed), M.Sc. (Dar), Ph.D. (Okayama)

D. Kacholi, B.Sc. (SUA), M.Sc. (Dar), Ph.D. (Georg-August)

Department of Biological Sciences

Lecturer and Head

F. Mwingira, B.Sc. (Ed) ,M.Sc (Dar), PhD (Basel)

N. Mogha, B.Sc. (Ed) (Dar), M.Sc. (Addis Ababa), Ph.D. (Bonn)

Senior Lecturer

D. Kacholi, B.Sc. (SUA), M.Sc. (Dar), Ph.D. (Georg-August)

Lecturers

J. Bakuza, B.Sc., M.Sc. (Dar), Ph.D.(Glasgow)

**T. Marandu, B.Sc, M.Sc.,(Dar), Ph.D. (Helmholtz)

N. Mogha, B.Sc. (Ed) (Dar), M.Sc. (Addis Ababa), Ph.D. (Bonn)

F. Mwingira, B.Sc. (Ed) ,M.Sc (Dar), PhD (Basel)

M. Mgendi, B.Sc. (Ed), M.Sc. (Dar), PhD (Dar)

S. Nkya, B.Sc., M.Sc. (Dar), PhD (MUHAS)

F. Mkonyi, B.Sc., M.Sc. (Dar), PhD (NMIST)

Assistant Lecturers

* D. Joseph, B.Sc. (Dar), M.Sc. (MUHAS)

* *L. Mulamula, B.Sc., M.Sc (Dar)

*R. Alex, B.Sc.,M.Sc. (Dar)

O. John, B.Sc, M.Sc. (Dar)

M. January, B.Sc. (MUHAS)

A. Halima, B.Sc., M.Sc. (Dar)

I. Makombe, B.Sc., MSc. (Dar)

H. Kangusi B.Sc. (Dar), M.Sc. (MUHAS)

Tutorial Assistants

E. Erasto, BSc (Dar)

U. Mustafa B.Sc. (Dar)

Department of Chemistry

Lecturer and Head

Dr. Shilla, B.Sc. (Dar), M.Sc. (UB), PhD ((Ryukyus)

Senior Lecturers

J. Mbuna, B.Sc. (Ed), M.Sc. (Dar), Ph.D. (Okayama)

Lecturers

J. T. Zacharia, B.Sc. (Ed), M. Sc. (Dar) Ph.D. (Kobe)
E. Mbukwa, B.Sc. (Ed) (Dar), M.Phil. (UB), Ph.D. (Johannesburg)
D. Shilla, B.Sc. (Dar), M. Sc. (UB), Ph.D. (Ryukyus)
**F. Hamad, B.Sc. (Dar), M.Sc (Dar), Ph.D. (Gent)
S. Mlowe, B.Sc, M.Sc (Dar), PhD
J. Mgya, B.Sc, M.Sc (Dar), PhD (Dar)

Assistant Lecturers

*A. Kitalika, B.Sc. (Ed), M.Sc (Dar)
*S. John, B.Sc, MSc (Dar)
*M. Petro, B.Sc, MSc (Dar)
S. Mtavangu, B.Sc. Ed, (Dar), M.Sc. (NM-IST)
P. Lucas (B. Sc. Ed. (Dar), M. Sc. (NM-IST)

Tutorial Assistant

E. Nkotya, B.Sc. (Dar)

Department of Physics, Mathematics and Informatics

Lecturer and Head

G. G. Mwangi, B.Sc. (Ed) (Dar), M.Sc. (South Africa), PhD (LUT)

Lecturers

G. G. Mwangi, B.Sc. (Ed) (Dar), M.Sc. (South Africa), PhD (LUT)
J. Mpele, B.Sc. (Ed) (Dar) M.Sc. (Nairobi), PhD (Nelson Mandela)
Y. Msambwa, B.Sc. (Ed), M.Sc., PhD (NTUDar)
Z. Mussa, B.Sc. (Ed) (Dar), M.Sc. (Dar), PhD (LUT)
T. Sagamiko, B.Sc., M.Sc., PhD (Dar)
F. Chuma, B.Sc., MSc (Dar), PhD (NM-IST)

Assistant Lecturers

F. Lolila, B. Ed (Sc). M.Sc. (Dar)
H. H. Mwanyika, B.Sc. (Ed), M.Sc. (Dar)
A. Sultan, B.Sc. (Ed), M.Sc. (Dar)
J. Chiuyo, B.Sc., M.Sc. (Dar)
*E. Yohana, B.Sc. (Dar), M.Sc. (Witwatersrand)
*E. Ngailo, B.Sc, M.Sc. (Dar)
*M. Ryoba, B.Sc., M.Sc. (Computer Science) (Dar)
F. Kapile, B.Sc., M.Sc. (Dar)
E. Maloda, B.Sc., M.Sc. (Dar)
M. Lusato, B.Sc., M.Sc. (Dar)
*D. Mukama, B.Sc. (Ed), MSc (Dar)
F. Chuma, B.Sc., MSc (Dar)
S. Semba, B.Sc., MSc (Dar)
S. Amos, B.Sc. (Dar), M.Sc.
Y. Mnyawani, B.Sc. (Dar) M.Sc.

Tutorial Assistants □

*C. Charles, B.Sc. (Dar)
D.E. Safari, B.Sc. (Dar)
*L. John, B.Sc. (Dar)
*C. Samson, B.Sc. (SUA)
*A.Okey, B.Sc. (Dar)
*A. Reuben, B.Sc. (Dar)

*C.C. Ngirwa, B.Sc. (Dar)

*S. Juma, B.Sc. (Dar)

College Library

Lecturer and Director

Dr. L. Mkonongwa, Dip. Ed. (Morogoro), B.A. Ed., M.A. (ASP (Dar), PhD (Dublin)

Assistant Librarians

F. Ernest, B.A. (Botswana), M.A. (IS) (Dar)

D. H. Danda, B.Sc (UCLAS), M.A. (IS) (Dar)

P. Kayungi Dip. Ed. (Morogoro), B. Ed. (PESC), M.A. (IS) (Dar)

*G. Amos, B.Sc. (SUA), M.A. (IS) (Dar)

*on studies

**On Leave of absence

MEMBERS OF THE GOVERNING BOARD

S/N	NAME	AFFILIATION	CONTACTS	TELEPHONE
1.	Prof. W.A.L. Anangisye	Chairperson Vice Chancellor - UDSM	P.O. Box 35091 University of Dar es Salaam	022-2410700
2	Professor Bonaventure Rutinwa	DVC-Academ- ic-UDSM	P.O. Box 35091 University of Dar es Salaam	0754261124
3.	Prof. S. Maluka	Principal -DUCE	P.O. Box 2329 DUCE Dar es Salaam	022-2850978
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7.	Mr. Benjamin Ngaji Oganga	Assistant Director – TAMISEMI	Ministry of Regional Administratiobn and Local Government- DODOMA	0752-313515
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10.	Mr Hazore Mgode	Chairperson THTU- DUCE	P.O. Box 2329 Dar es Salaam	0782405552
11.	Deogratius Medson	President DARU- SO-DUCE	P.O. Box 2329 Dar es Salaam	0752686548

COLLEGE INTRODUCTION

Mkwawa University College of Education (MUCE) is located in the Southern Highlands of Tanzania, in Iringa Municipal, about 3kilometres from them in a bus stand. MUCE was established as a constituent college of the University of DaresSalaam (UDSM) on the 1st of September 2005 by upgrading the former Mkwawa High School, in response to the growing demand of teachers.

Mkwawa High School was first established as an “Ordinary” level secondary school in 1959 and was called St. George and St. Michael’s School. In 1964, it became a High School, officiated by the First President of the United Republic of Tanzania, the late Mwalimu Julius K. Nyerere. In 1977, it was converted into a teachers’ college, offering certificate and diploma programmes in teaching education. In 1992, it was turned back to a High School until March 2005, when it was upgraded to a constituent college of the University of Dar es Salaam by order Section 55(1) of the University of Dares Salaam Act No. 12 of 1970 and published on 22nd July 2005 on the Government Notice No. 2003.

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 Office of the Dean of Students which deals primarily with personal and social welfare aspects of students’ life. The following facilities are provided by the office of the Dean of Students: accommodation, games and sports, spiritual and student counselling in various problems, as well as career guidance and counselling. The Office of the Dean of Students also assists the Deputy Principal- (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. Accommodation in the Halls is therefore not guaranteed for every student. Students are urged to find their own accommodation outside the campus. At present, there are six Halls of Residence with total capacity of accommodating 1,122 students.

Payment for accommodation is made through MUCE CRDB Account Number **01J1071134815** (Mkwawa Branch). No student will be given a room in the Halls of Residence until he has paid the prescribed rent. Priority for on – campus accommodation will be given to students with disabilities, foreign students and female first year students. Students are required to keep their **original Pay-in Slips** for submission to the Bursar to be issued a MUCE receipt. Currently, the price per student per day is Tshs. 800.00 x 120 days per each semester. In addition, students are required to pay accommodation caution money of Tshs. 10,000.00 payable once during the first year.

Students’ Activities

Most of the students’ activities are organized by the students’ union (**DARUSO-MUCE**). The students’ organization is concerned with the students’ academic, political, social and recreational activities. Students are encouraged to form academic/professional organizations. They are also encouraged to form and join social organizations that have been registered. New social and academic organizations are registered with the Office of the Dean of Students.

Catering

The College offers cafeteria services for all meals to students at subsidized prices. The meals are paid for at the cafeteria counters. The College has one cafeteria on the campus and few canteens (Foodvenders) near Hall VI which have the capacity to serve the present student population.

Medical Services

MUCE owns and operates a Health Centre which provides medical and health care services to students, staff members, staff families and to the general public. The Health Centre is located within the College campus and operates for 24 hours. There are two ward wings, for male and female patients, with a 24 bed capacity. Students whose port at the Health Centre for treatment are required to produce NHIF identity cards, which can also be obtained at college at a cost of Tshs. 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 mission, that is: teaching, research and consultancy. 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

Semesters:	Monday – Saturday	08.00 am	06.30 pm
		07.30 pm	10.00 pm
	Sundays	02.30 pm	06.30 pm
		07.30 pm	10.00 pm
	Public Holidays	02.30 pm	10.00 pm
		07.30 pm	10.00 pm
Vacation:	Monday – Friday	08.00 am	04.00 pm
	Saturdays	08.00 am	03.00 pm
	Sundays & Public Holidays <i>Closed</i>		

POSTGRADUATE PROGRAMMES OFFERED

GENERAL INFORMATION

Submission of Applications

- All applications for postgraduate training at the MUCE should be submitted to the Director of Postgraduate Studies, University of Dar es Salaam.
- Subsequently, a standard Application Form (UDSM/PG.F1) should be dully filled and submitted, accompanied with the referees' reports and copies of transcripts and certificates.
- Applicants are responsible for soliciting two academic reports from referees regarding their suitability for postgraduate studies. Form UDSM/PG.F2 shows the format, which is expected of the reports.

Application Fees

- All applicants are required to pay a non-refundable application fee. The fee should be paid when the application forms are submitted.**
- 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 Prospectus and Website of College and the University.

Coding of Postgraduate Courses

- Postgraduate courses shall be given code number as follows:

500 - 598 series for Postgraduate Diploma Courses (except the dissertation);
600 - 698 for Masters' Degree courses (except the dissertation);
699 for Masters' Degree Dissertations;

- (b) Code name shall be restricted to two letters, followed by the appropriate digits in the series (e.g. BL 6661).

Faculty of Education (FoEd)

POSTGRADUATE DIPLOMA IN EDUCATION (PGDE)

The Postgraduate Diploma in Education (PGDE) which is offered by evening mode is aimed at those 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 B. Sc. Ed, B.A. Ed. or B.Ed. degrees. The PGDE (Evening) programme in particular will be offered flexibly to individuals who wish to develop a carrier in teaching but are unable to attend a regular similar fulltime programme due to time constraint or work demands. This programme is, therefore, unique in that it makes it possible to combine work and studies.

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 will be 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 will be offered during evening hours from 5.00 p.m. and during weekends and public holidays. Typical learning sessions will consist of lectures, seminars, guest lectures and practicum in teaching sessions.

Students will be encouraged to engage in recent debates and literature in education to inform their studies and arguments presented in various assignments.

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 (24credits), field report (24 credits) and elective (24credits), offered flexibly during evening hours, on weekends and public holidays. 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 Courses

Semester I		Semester II	
Course Code and Title	Credits	Course Code and 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
EF 502 Research Methods in Education	12	EA 500 Management of Education and School Administration	24
Elective I		CT523 Practicum in Teaching	24
		Elective II	12
		EF 599 Field Report	12

Faculty of Humanities and Social Sciences (FoHSS)

Masters of Arts with Education (MAED, Geography Stream)

Programme Objectives and Philosophy

The Master of Arts with Education 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 its surrounding nations, there is an awareness of the importance of highly skilled teachers in improvement of 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 teaching profession, this 24 months 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 improved social transformation.

Entry/ Admission Requirements

A candidate shall be deemed eligible for consideration for admission to a Masters of Arts with Education Programme if he/she has one of the following:

- (i) First degree in education [e.g. B.A (Ed.), B.Ed. (Arts) or BSc. (Ed.) degrees] from any recognised University with at least a lower second of 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 trend plus a Postgraduate Diploma in Education (PGDE) from any recognised institution with at least an average pass of B in their final University Examination.

Expected Learning Outcomes

Graduate of Master of Arts with Education will have well developed skills:

- (i) For teaching Geography in secondary schools, colleges and universities;
- (ii) For applying education principles, approaches and theories in improving teaching and learning processes;
- (iii) For assessing and analyzing various theories, principles and concepts related to education and Geography;

- (iv) For identifying and analyzing challenges that constraint education sector in Tanzania and beyond.
- (v) For identify opportunities to strengthen education sector and enhance performance of students in schools and colleges.
- (vi) For doing research on education and Geography which will contribute to new theoretical insights and practical approaches to education and promote scholarly publications.
- (vii) For planning, managing and analyzing educational policies, programmes and projects

Nature of the programme

The programme consists of coursework and dissertation which lasts for 24 months where three semesters will be for coursework and the last semester is for proposal, data collection **and report writing**

Methods of Instruction

The programme involves various instructional methods including;

- (e) Lectures and Discussions
- (f) Seminar Presentations
- (g) Group work
- (h) Field works

Assessment and Evaluation

Students will be assessed in this particular programme using different modalities including:

- Assignments
- Seminars and presentations
- Research papers
- Examinations (Quiz, test 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 constutues 50% and the final examination 50%.

Module Description

The description of courses is summarised in the Table below:

Year	Semester I			
1	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	Optional	24
	EP 604	Theories of Teaching and Learning	Optional	24
	AE 601	Open and Distance Learning	Optional	24
	GE 628	Population, Resources and Environment	Optional	12
	GE 641	Environmental Disaster Management and Sustainable Human Development	Optional	12

	Total			72
	Semester 2			
	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	Optional	12
	GE 643	Water Resources, Planning and Management	Optional	12
	GE 644	Environment, Food and Development	Optional	12
	Total			72
2	Semester 1			
	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	Optional	24
	PE 601	Youth and Sports Development	Optional	24
	CT 607	Advanced Curriculum Development	Optional	24
	GE 635	Environmental Conservation Policies and Strategies	Optional	12
	GE 640	Urban Planning and Management in a Globalizing World	Optional	12
	GE 642	Medical Geography	Optional	12
	Total			72
	Semester 2			
	MA 699	Research Report	Core	12
Grand Total				228

Faculty of Science (FoSC)

Master of Science with Education (Msc. Ed.)

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 ones professional career as a science teacher. In order to cater for the large number of science

teachers, the programme is offered in the mode of course-work and dissertation and the duration is two years, on a full time basis and three years on part-time basis. The course-work programme component consists of science discipline-based and education courses. A candidate shall major in only one science (or mathematics) subject.

The choice of courses and the specific contents has been made carefully, guided by results of a tracer and needs assessment report (8), to ensure that fundamental concepts are not missed. The choice has also taken into account the specific content knowledge base that is necessarily required for effective science/mathematics teaching.

Entry qualifications

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 recognized 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.

Assessment and examination

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 University of Dar es Salaam School of Education (UDSoED) examination regulations, respectively.

Programme Structure

The MSc(Ed) is a taught programme comprising of course-work and dissertation and the duration shall be twenty four months (2 years) for full-time students and thirty six months (3 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 coursework 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 of 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 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 dissertation during the second year. Therefore, the minimum load for a candidate to graduate is 216 credits. A candidate must

pass both the course-work and the dissertation to qualify for the degree award.

The following courses are offered:

Education Courses

Core Courses

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	

Optional Courses

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

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	72	
Total		144	

Optional Courses

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

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	72	I&II
Total		132	

Optional Courses

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

Master of Science in Mathematical Modelling

This is a regional programme in mathematical modelling and 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).

Coursework Mappings

Code	Course Title	Credits	Semester
MT 602:	Numerical Analysis	12	I
MT 619:	Applied Functional Analysis	12	
MT 663:	Ordinary Differential Equations	12	
MT 641:	Advanced Mathematical Statistics	12	
	Elective	12	
MT 631:	Stochastic Differential Equations	12	II
MT 683:	Partial Differential Equations Core	12	
MT 604:	Optimization Methods of Operations Research	12	
	Elective I Elective 12	12	
	Elective II Elective 12	12	
MT 699	Dissertation	60	I&II

Total		180	

Optional Courses

Code	Course Title	Semester	Credits
MT 601:	Advanced Probability Theory	2	12
MT 605:	Advanced Linear Algebra	2	12
MT 609:	Numerical Solution of PDEs	2	12
MT 610:	Complex Analysis	2	12
MT 628:	Mathematical Finance and Insurance	1	12
MT 640:	Numerical Linear Algebra	2	12
MT 643:	Statistical Inference	1	12
MT 644:	Stochastic Systems	2	12
MT 646:	Bayesian Sampling Methods	1	12
MT 647:	Fourier Analysis	1	12
MT 652:	Biomathematics	2	12
MT 659:	Measure Theory and Integration	2	12
MT 660:	Computer Programming	1	12
MT 664:	Graph Theory	1	12
MT 665:	Mathematical Packages for Scientific Computations	2	12
MT 672:	Fluid Dynamics I	1	12

MASTER OF SCIENCE BY THESIS

MUCE offers a Master of Science in Applied Zoology and Master of Science in Applied Botany by Thesis.

1. Programme Structure

- 1.1 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)
- 1.2 Registration for the programme shall be at any time during the Academic Year. The registration shall be renewed annually
- 1.3 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.
- 1.4 Within four months of the assignment of supervisor, the candidate shall present a comprehensive and substantive proposal in a Departmental seminar (Department's Postgraduate Committee Members should attend).
- 1.5 The proposal shall not exceed 20 pages in length, typed in at least 12 point font and double spaced lines.
- 1.6 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.
- 1.7 If satisfied with the quality of the proposal, the department shall submit the proposal for evaluation at the College HDRP Committee, where it will be presented by the student.

- 1.8 Once it finds the proposal satisfactory, the College HDRP Committee will approve it and notify the Senate Postgraduate Studies Committee (SPSC).
- 1.9 The maximum period for the registration process is six months. Candidates will pay TShs 50,000 for each month extension beyond the six months.
- 1.10 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 and Computing.
- 1.11 If, for any sound reason a candidate fails to continue with studies, he/she may apply to Senate for freezing of the registration through his/her Department, College Postgraduate HDRP Committee. The maximum period for such freezing of registration shall be two years.
- 1.12 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.
- 1.13 A Candidate who fails to complete studies within specified period shall be discontinued; unless Senate has approved application for extension.

Tuition fees

Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fees	
				Tanzanian (TShs.)	Non-Tanzanian (USD\$)
Postgraduate Diploma in Education	Coursework	Evening	12 months	2,600,000	3,075
Master of Science with Education (Geography Stream)	Coursework and Dissertation	Fulltime	24 months	4,000,000/=	6,150
Master of Science with Education (Biology & Chemistry Stream)	Coursework and Dissertation	Fulltime	24 months	4,250,000/=	6,150
Master of Science in Applied Zoology	Thesis	Fulltime	24 months	4,250,000	8,040
Master of Science in Applied Botany	Thesis	Fulltime	24 months	4,250,000	8,040
Master of Science in Mathematical Modelling	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040

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Lecturer and Head of Department

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Educational Foundations

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F. Luhanda, B.Ed. (Science) (Dar), M.Sc (Japan)

E.A. Kyojo, BSc. Ed., M. Sc. (Dar)

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W. M. Wambura, B.Sc. (Computer Science) (Dar), M.Sc. (NM-AIST)

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Laboratory Technicians I

S. Juma, Dip. Lab. Tech. (DIT)

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L.Y. Selle, Dip. Lib. Arch. & Doc. (SLADS), BA. Lib. & Info. (Tumaini), MA Info. (Dar)

A. Chando, Cert. Gr. IIIA., Dip. Ed. (Morogoro), Dip. Lib. Arch. & Doc. (SLADS),

Library Assistants

A. R. Kawambwa, Cert., Dip. Lib. Arch. & Doc. (SLADS)

P.J. Mbunda, Cert. Lib. Arch. & Doc. (SLADS)

N. Mteti, Cert. Lib. Arch. & Doc. (SLADS)

U.A. Mombokaleo, Cert. Lib. Arch. & Doc. (SLADS)

E.M. Nkanda, Cert. Lib. Arch. & Doc. (SLADS)

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Secretary

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H. Said, ADA (Mzumbe)

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Principal Medical Officer

S. Lyuba, MD (MUHAS), MMED (KCMC)

S. Likondangoma, MD & BS (Fudan), Masters in Obstetrics/ Gynaecology (MUHAS)

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S. Luinga, Adv. Dip. Med. Lab (Ikonda)

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M. Nyiti, Cert. Nursing & Midwifery (Njombe Nursing School) B. Kikungwe, Cert. Elementary Nursing (Iringa Hosp. College)

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Systems Administrator II and Head of Unit

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Systems Administrators

I. Mwagha, Cert. Computer Arch. & Network (India), Inter Dip. ICT (IIT), B.Sc. IT (India)

S. Majimoto, Dip. Computer Eng. (New Horizons), B.Sc. IT (Tumaini)

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