



**UNIVERSITY OF DAR ES SALAAM**

**POSTGRADUATE PROSPECTUS  
FOR THE ACADEMIC YEAR 2017/2018**

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## WELCOMING NOTE FROM THE VICE CHANCELLOR

We are very pleased to welcome you to undertake tertiary studies at the University of Dar es Salaam. This Prospectus will provide you with a flavour of academic life in our various campuses, including the Mwalimu Julius K. Nyerere Mlimani Campus, Dar es Salaam University College of Education, CoICT and SJMC Kijitonyama Campuses in Dar es Salaam and Mkwawa University College of Education in Iringa. A major part of the document provides you with a glimpse of courses offered in various academic units and a variety of related information.

The University of Dar es Salaam is a committed community of students and staff members who are dedicated to bringing out the best in all its members. The University is also at the interface of national and international higher education innovations and initiatives. Our aim is to provide the best possible environment for teaching, learning, research, innovation and public services. We are determined to maintain and rise above our track record of success, which is well known in East Africa, Africa and the rest of the world. We will continue to ensure that students gain cutting-edge, world-class knowledge in their areas of specialization. We aspire to make your stay at this University worthwhile, filled with excitement and experiences that you can treasure for a lifetime. We recognize the multifaceted nature of knowledge and that learning is not only confined to the classroom academic study. The University, therefore, encourages students to join and actively participate in extra-curricular activities organised by its academic units and Directorates, and those organized by the Students' Union. Students are also encouraged to use the available sports and recreational facilities. These include a swimming pool and a range of sports and games fields.

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 Postgraduate Studies for further assistance.

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

Professor Rwekaza S. Mukandala  
**VICE CHANCELLOR**

**July 2017**



## 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. At present 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. 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 Dean of Students office. Some outstanding student organizations at present include Dar es Salaam University Economic Association, Dar es Salaam University Marketing Association, Accounting Association of the University of Dar es Salaam, Geological Association of Students, University of Dar es Salaam Law Society, Dar es Salaam University Finance Association, International Relations Association, University of Dar es Salaam Education Students Association, International Students Association, Uganda Students Association in Tanzania, Dar es Salaam University Political Science Students

#### 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 have complete freedom of worship. At present facilities are available for Christians and Moslems. Catholics have one Chaplain appointed by the Tanzania Episcopal Conference (TEC). They have Mass every Sunday at 6.15, 7.15 and 8.15 a.m besides the daily mass at 6.00 p.m.

Lutherans and other Christian denominations have a Chaplain appointed by the Christian Council of Tanzania (CCT). Their services are held in the chapel at 10.00 a.m. in Swahili. Also, they conduct Swahili services every Sunday at 7.00 a.m in Nkrumah Hall and English services at 9.00 a.m.

The University Students Christian Fellowship has meetings daily from 6.30 p.m to 7.30 p.m. on Monday to Friday and from 7.00 p.m on Saturdays. Activities include Bible study, films out-reach (to other colleges) and in reach i.e. room to room witnessing for Christ. There is also a staff and students Bible study group which meets in the Chapels Seminar Room at 6.00 p.m. every Tuesday. The Seventh Day Adventist meet every Saturday from 9.00 a.m to 12.30 p.m. There are Confirmation Classes for CCT on Saturdays at 10.00 a.m and on Wednesdays at 4.00 p.m in the Chapels Seminar Room. Baptisms and marriages are also arranged by the Chaplain, on request. Non-Catholics have Chapel Council for CCT which meets three times annually. A Joint Christian Committee (for TEC and CCT meets once a semester).

A Joint Christian Chapel is situated opposite Hall No. 4 on Kilimahewa Road. It is administered by the Joint Chapel Committee composed of representatives of the TEC and CCT Councils. The University Christian Perspective which is the *Christian Voice on the Campus* is produced once a semester. This publication was initially a TEC initiative, but articles are now contributed by members of all Christian denominations. Religious articles and books are on sale every Sunday outside the Chapel before and after Mass. Articles sold include papers like Kiongozi, *Upendo* and *Mwenge*, rosaries, medals and religious books. Other books dealing with social and psychological problems that students face in their everyday lives everywhere are among items that are also sold.

There are Catechism classes for children of the University staff and workers twice a week in the Chapel. Baptisms are held on request every Sunday morning after the second Mass. Marriages are also arranged by Chaplains and celebrated either in the chapel or in one of the churches in town. The Chaplains are available for counselling in the Chaplains' Office, No. 15 in the Faculty of Arts and Social Sciences, or at the Chaplaincy, Kilimahewa House No. 4 for Catholics and Kilimahewa House No. 6 for non-Catholics. The Chaplains normally visit the sick in the University Health Center. However, those who wish to see the Chaplain can request the nurse to contact him.

The Muslims Students' Association of the University of Dar es Salaam (MSAUD) caters for the interests of the Muslim students' community on all campuses of the University. They also have a Mosque and regular prayers which are held five times every day. Friday and Idd prayers are also performed at the Mosque. Other than daily prayers, the Muslim Students Association jointly performs other activities such as coordinating fasting during the Holy Month of Ramadhan. The Association also undertakes the publication of *Voice of MSAUD*, organizes public functions such as Idd Baraza ("get together" for welcoming freshers), public lectures on Islamic ideology, study groups on Islamic knowledge, and national seminars during vacations for Muslim students and teachers.

#### 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 owns and operates a Health Centre which provides medical and health care services mainly to University students, University staff members, staff families and to the general public. The Centre is located within the University's main campus. There is also a clinic at the Mabibo students' hostels. The main campus clinic is on the right hand side as one walks along Sinza Road from the University Post Office. It is the nearest building to the swimming pool and plays grounds especially handball and lawn tennis courts.

### **Organization**

The Centre is headed by a Medical Officer In-Charge who is assisted by a health administrator, matron and heads of preventive, clinical and finance and administration sections.

### **Service Provision**

The Centre operates on a twenty-four hour basis. Outpatient services are offered from 8.00 a.m to 8.00 p.m on weekdays and Saturdays. Outside these hours, and on Sunday and Public Holidays, only emergency cases are handled. There are two ward wings, for male and female patients, with a 24 bed capacity. Both medical and preventive health services are offered at the University Health Centre. In order to access medical services at the health centre, students are strongly advised to obtain health insurance cover offered by the National Health Insurance Fund (NHIF) or other health insurance providers. The Office of the Dean of students may be contacted on the logistics regarding health insurance services.

### **Procedure**

All fresh students are required to produce proof of their physical and mental fitness to undergo University studies. Students who report at the Centre for treatment are required to produce identity cards. All cases which cannot be managed at the Centre are normally referred to Mwananyamala Municipal Hospital or Muhimbili National Hospital.

Treatment outside the Health Center must have prior permission of the Medical Officer In-Charge of the University Health Center otherwise the University will not be responsible in any way. Where a student falls sick/ill in the Hall of Residence/Hostel and is not able to walk to the Health Center/Clinic, the right thing to do is to contact a Hall Manager/Warden for further action.

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 Center for treatment and further directives.

Apart from the general outpatient clinic, there is also a student's clinic. The clinic, in addition to the provision of clinical services, it also informs, educates, communicates and counsels students on reproductive health. This also includes provision of family planning services and treatment of sexually transmitted infections (STIs). The clinic also offers specialized back-up services to the University Youth Reproductive Health Programme. The Health Center also offers eye and optical services.

### **Things to Note**

Malaria is an endemic disease in Dar es Salaam. This University is not an exception. Malaria is,

however, preventable and the following are some of the preventive measures: to cover exposed skin especially in the evening, sleeping under a mosquito net (preferably a treated one) and early and complete treatment can make you safe from malaria. HIV/AIDS is a threat to the lives and welfare of Tanzanians. However, abstaining sex before marriage or practising safe sex may prevent HIV transmission.

Other conditions commonly noted among students are worm infestations, upper respiratory tract infections, skin diseases and diarrhoea diseases.

Personal hygiene and environment sanitation are among the key preventive strategies. Also for a health body and mind, a balanced diet and physical exercises are recommended. Further information on health matters can be obtained from the University Health Education Programme Offices which are situated opposite the Microbiology Department and next to the Demography Training Unit. It goes without saying that ill health can impair ones academic performance. It takes a health body and mind to excel in academics and achieve academic excellence.

It is very important to note that services are provided to students during term time only. Treatment during vacations is the student's own responsibility. The University is not responsible for refund of any medical costs incurred outside the Health Center. Refund is made only when the Medical Officer In-Charge has authorized treatment in other hospitals.

## **C: DR. WILBERT CHAGULA UNIVERSITY LIBRARY**

The University of Dar es Salaam Main Library has three divisions: Technical Services; Reader Services and Research and Documentation. Each division is headed by Head of Division.

The primary role of the Library is to support teaching, learning and research through provision of quality library services to users both within and outside the country. In addition, senior library staff are involved in teaching, research and consultancy services.

The University Library is a national depository Library and collects materials published in Tanzania and on Tanzania which are housed in the East Africana Collection and include books, research reports, Government and University publications. Concerted efforts have been made to collect materials on Tanzania published outside Tanzania, which form the core of the East Africana research collection. It also includes materials on the former East African Community, the Liberation Movement and the Southern African Development and Coordinating Committee (SADCC) and SADC.

Being a national depository library and the largest national collection of research materials, services are also extended to researchers and scholars both within and outside the country. The broad subject areas covered are Arts and Social Sciences, Commerce and Management, Engineering, Law, and the Physical, Biological and Marine Sciences. The collection currently comprises about 600,000 volumes of books and 2,800 periodicals titles.

The Library has a rich collection of manuscripts, including the Cory papers, Arabic and Swahili manuscripts and Newspapers which are available in microfiche format, micro materials, maps, and CD-ROM (Compact disc Read Only Memory) database which can be accessed to retrieve up-to-date information published in a wide range of disciplines such as Engineering, Education, Science, etc. The Library subscribes to a variety of electronic journals and bibliographic databases and has developed local content databases. These include the Environmental and the Biodiversity Databases, Regional and Civil Society Databases, Economics, Education and Sociology, etc.

Materials that are not available in the Library can be obtained from other libraries through inter-library loan arrangements or electronic document delivery services. The Library is a member of the Database of African Theses and Dissertation network (DATAD). To date the UDSM Library has contributed over six thousand records of abstracts of Thesis and Dissertations to the DATAD database.

#### **OPENING HOURS**

University of Dar es Salaam Main Library

Term: 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.

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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 25<sup>th</sup> 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, 13 km from the centre of the city of Dar es Salaam.

The University has six 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 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 14 only students in 1961. Presently, university has a student population about 25,000 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, first degrees, postgraduate diplomas, masters and PhD degrees. A total of 4 certificates, 24 diplomas, 87 first degrees, 23 postgraduate diplomas, 98 Masters 23 PhD and 4 Taught PhD programmes as well as several PhD programmes by thesis which 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 students in 1993/1994. By 2006/07 there were 449 postgraduate students registered to study various postgraduate programmes.

From academic year 2007/2008 to 2012/2013, the University of Dar es Salaam registered a total of 7,337 students pursuing postgraduate diplomas, and Master and Doctor of Philosophy degrees. In 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 4,636 postgraduate students graduated as holders of postgraduate diplomas, master 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. 4 PhD programmes are offered by Course and Dissertation and the rest are offered by research and thesis. The postgraduate programmes range from basic sciences 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 Study Programmes. Additional information is available on the university website: [www.udsm.ac.tz](http://www.udsm.ac.tz).

## STRUCTURE AND DURATION OF POSTGRADUATE PROGRAMMES

### 1.0 GENERAL INFORMATION

#### 1.1 Submission of Applications

- a) All applications for postgraduate training at the University of Dar es Salaam should be submitted to the Director of Postgraduate Studies.
- b) 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.
- c) 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.

#### 1.2 Application Fees

- a) All applicants are required to pay a non-refundable application fee. The fee should be paid when the application forms are submitted.
- 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 Coding of Postgraduate Courses

- a) Each postgraduate course shall be given a code number as follows:  
500 - 598 series for Postgraduate Diploma Courses (except the dissertation);  
599 for Postgraduate Diploma Dissertations/Research Project Papers;  
600 - 698 for Masters Degree courses (except the dissertation);  
699 for Masters Degree Dissertations;  
700 - 798 for PhD courses (except the dissertation);  
799 for PhD Degree Dissertations.
- b) The code name shall be restricted to two letters, followed by the appropriate digits in the series (e.g. ML 612).

#### 1.4. Entry Qualifications

##### 1.4.2 Postgraduate diploma

A candidate for admission into a Postgraduate Diploma programme shall have the following qualifications:

- (i) A Bachelors Degree or an Advanced Diploma (or its equivalent) from a recognised institution of higher learning.
- (ii) Candidates with equivalent qualifications must also possess at least secondary school certificates with three credit passes.

##### 1.4.2 Masters degree

A candidate for admission into the Masters degree programme of the University of Dar es Salaam shall hold the following qualifications:

- i. At least a Second Class degree of the University of Dar es Salaam or an equivalent degree from a recognised institution of higher learning. Candidates who hold an unclassified degree (e.g., M.D.) should have at least a B grade average in the subject of the intended Masters study.
- ii. Candidates with pass degrees may also be considered for admission if:
  - a) Their undergraduate performance in the proposed subject of study was a B

grade or higher;

- b) They have satisfied the relevant College/School/Institute regarding their academic potential through subsequent research experience and/or additional training;
- iii. Candidates with a coursework average of B+ or higher in specified Postgraduate Diplomas may upgrade to registration for a dissertation leading to a relevant Masters Degree.

For Masters by Thesis programmes, candidates must have at least an upper second degree in the relevant field.

##### 1.4.3 Doctor of Philosophy degree

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; or
- b) Candidates with an Upper Second Class Bachelors degree or holders of a distinction in the case of unclassified degrees may also be considered for PhD registration. Such candidates have to initially register for the Masters degree and do at least one full year's postgraduate training. If they demonstrate outstanding performance and obtain authorisation of Senate on the recommendation of the relevant College, School or Institute Board and the Senate Postgraduate Studies Committee (SPSC), they may upgrade their registration to PhD candidacy.

##### 1.4.4 Other Requirements

- a) Certificates obtained from foreign institutions of higher learning shall be subject to recognition by the Tanzania Commission for Universities (TCU).
- b) A candidate discontinued on academic grounds from a postgraduate programme may be allowed to apply for admission into another programme. Such a candidate may be admitted into the same programme only after showing evidence that he or she has attended and passed a relevant professional or academic course lasting at least six months after the discontinuation.
- c) Students discontinued from studies because of examination irregularities will be considered for re-admission only after they have been away for three years. They will be required to re-apply and compete with other applicants for re-admission into the first year.
- d) The application deadline shall be 31st March for the 1st Semester intake and 30th November for the 2nd Semester intake or any other time as may be specified.

#### 1.5 Registration

1.1.1 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.

- a) Candidates may register as full-time or part-time students. Registration will take place during the first two weeks of Semester I and Semester II for the respective intakes.
- b) First year candidates must submit the following documents at the time of registration:
  - 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) photographs; and
- c) Candidates shall be required to register at the beginning of the first year of their



studies using forms UDSM/PG.F3 and UDSM/PG.F4 for the thesis mode, and UDSM/PG.F4 for the coursework and dissertation mode.

- d) Candidates must renew their registration at the beginning of every subsequent year by submitting a duly filled form (UDSM/PG.F5) and paying the required fees.
  - e) Failure to renew registration shall lead to automatic discontinuation from studies.
- 1.1.2 Students shall be registered by names appearing on their certificates. No change of names by students shall be entertained during the course of study at the University.
- 1.1.3 No student shall be allowed to postpone studies after effective commencement of an academic year except under special circumstances. Permission to postpone studies will be considered after producing satisfactory evidence of the reason for postponement. Special circumstances shall include:
- i) Sickness; Serious social problems (each case to be considered on its own merit); or
  - ii) Severe sponsorship problem.
- 1.1.4 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 studies where they left off.
- 1.1.5 No student shall be allowed to change subjects/courses/programmes after the third week of commencement of the semester.
- 1.1.6 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.
- 1.1.7 The registration of new and continuing students shall be two weeks from the first day of the commencement of classes. Students seeking registration during the third week shall be liable to a surcharge paid per day as the Council may from time to time prescribe. No student shall be registered after the third week since the commencement of the semester.
- 1.1.8 Every registered candidate is required to submit a progress report (UDSM/PG.F6) to his/her supervisor who shall forward to the College/School/Institute through the Head of Department.

#### 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.

#### 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 the 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 the writing of 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, Research and Publications 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. Candidates shall pay to the School/Institute/College a fee for each monthly extension beyond the six months as the Council may from time to time prescribe.
- (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.

#### 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.F7) for an extension of the registration period.
- (b) The student shall pay an extension fee per month as 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. Under very special circumstances, the SPSC may consider a further extension of registration period for a maximum of six months provided it is within the maximum allowable period of registration.

#### Postponement of studies

Postponement of studies shall not be entertained. However under special circumstances, permission to postpone studies may be considered as per 2013 Postgraduate regulation number 1.5.3 for students at the coursework phase while students on thesis and dissertation phase shall be required to freeze registration as per regulations number 0.

#### 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.

#### 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 Masters or Postgraduate Diploma Study programme within the maximum period of registration shall be discontinued from studies.

#### Transfer of registration

- (a) A Postgraduate Diploma candidate with a coursework average of B+ or higher may, on the recommendation of the Head of Department and the School Dean, Director of Institute or College Principal, apply to Senate for permission to transfer registration to that of a Masters degree. Senate will determine the contribution of the work done under 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. 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 fulfilment 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 the request of the candidate and recommendation of the College/School/Institute Board, transfer registration to a Masters or to a relevant existing Postgraduate Diploma programme respectively.
- (e) Candidates from other Universities who would like to complete their postgraduate programmes at the University of Dar es Salaam, may apply to Senate through respective Colleges/ Schools/ Institutes and SPSC to transfer from their previous Universities credits/units that do not exceed 1/3 of the total credits/units for the programme, provided the former institution is accredited and the candidates meet the minimum entry qualifications for the programme in which they wish to enrol.

#### 1.6 Intellectual Property Rights Contract

Each registered candidate shall sign a contract with the University of Dar es Salaam declaring that all research findings and innovations done during studentship shall be the property of the University of Dar es Salaam and shall be protected under the Patents Act, Cap 217 [R.E. 2002] and the University of Dar es Salaam Intellectual Property Policy, 2008, and other applicable legal instruments. It shall not be reproduced by any means, in full or in part, except for short extracts within the meaning of fair use, for research

or private study, critical scholarly review or discourse with an acknowledgement, without the written permission of the Directorate of Postgraduate Studies, on behalf of the University of Dar es Salaam. A sample of Intellectual Property Rights Contract is included in the Handbook of the General Regulations and Guidelines for Postgraduate Programmes, 2013.

#### 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**

1.1.1 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.

1.1.2 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.

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

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

1.1.5 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.

1.1.6 All PhD 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 include but are not limited to:

(a) Plagiarism, or

(b) The acquisition, and use, without acknowledgement, of academic materials belonging to someone else.

3.3.2 The term "plagiarism" includes but is not limited to, a deliberate or negligent use by paraphrase or direct quotation of the published or unpublished work of another person without full and clear acknowledgment.

3.3.3 Any candidate found guilty of academic dishonesty shall be deemed to have committed an examination irregularity and shall be discontinued forthwith from studies.

3.3.4 If cases of academic dishonesty are discovered after the candidate has been awarded a degree, the University shall have the power to withdraw the award.

3.3.5 Any candidate found faulty of plagiarism, the disciplinary measures will be instituted as

per section 6 of UDSM 2015 Plagiarism guidelines.

### **4.0 EXAMINATION OF MASTERS' THESES/DISSERTATIONS AND DEGREE AWARDS**

#### **4.1 GENERAL REGULATIONS**

1.1.1 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.

1.1.2 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.

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

1.1.4 Transmission of theses/dissertations is the official responsibility of Colleges/Schools/Institutes, using their share of examination fees.

1.1.5 (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).

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

1.1.7 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.

1.1.8 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.

1.1.9 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;

1.1.10 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).

1.1.11 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.
- 1.1.12 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.
- 1.1.13 Only candidates whose theses have been passed in accordance with 2013 UDSM Postgraduate regulations 4.1.7(a) through (c) shall be allowed to sit for *viva voce* examination.
- 1.1.14 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.
- 1.1.15 A candidate whose thesis/dissertation is rejected in accordance with regulation 4.1.7(f) shall be discontinued from studies.
- 1.1.16 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.
- 1.1.17 Where the examiners are not in agreement in their overall recommendation after resubmission, regulation 4.1.9 shall apply.
- 1.1.18 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

- 1.1.1 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.
- 1.1.2 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.
- 1.1.3 The questions to be asked in the *viva voce* examination shall primarily focus on the candidate's thesis research area. Questions in peripheral areas are also encouraged, if they help to establish the candidate's level of academic maturity on the thesis subject matter.
- 1.1.4 The members of the *viva voce* panel shall be so selected as to ensure that sufficiently qualified and experienced scholars in the research or related area examine the candidate.
- 1.1.5 The *viva voce* examination for a Masters degree shall comprise of at least five, but not more than seven examiners, who shall be appointed by the Senate Chairperson on the recommendation of the Principal/Dean/Director of the relevant College/School/Institute, and of the Head of the relevant Department where the candidate is registered. The *viva voce* panel shall be as follows:
- (i) Chairperson nominated by the College Principal/School Dean/Institute Director;
  - (ii) External Examiner (or his/her representative), recommended by the relevant College Principal/School Dean/Institute Director;
  - (iii) Internal Examiner who did not guide the research;
  - (iv) Candidate's supervisor;
  - (v) Head of the relevant Department (or his/her appointee); and
  - (vi) Two other members appointed by the respective College/School/Institute.
- 1.1.6 The College Principal/School Dean/Institute Director on behalf of the Senate must approve the date of examination at least two weeks before the examination.
- 1.1.7 The Head of Department/Unit must inform the candidate in writing regarding the examination arrangements at least two weeks before the examination, with copies to the Principal/Dean/Director and the Director of Postgraduate Studies.

- 1.1.8 The *viva voce* panellists shall be provided with full texts of the examiners' reports and copies of the candidate's thesis at least one week before the date of the oral examination. The College/School/Institute shall ensure availability of copies of the thesis using their share of examination fees.
- 1.1.9 The function of the *viva voce* shall be to ascertain that the thesis presented fulfils the following criteria:
- (i) The thesis is the original work of the candidate;
  - (ii) The broader subject area in which the study is based is fully grasped by the candidate;
  - (iii) Any weaknesses in the thesis are adequately clarified by the candidate; and
  - (iv) A definite recommendation is made to the Senate through the SPSC as to whether the candidate should be declared as having Passed or Failed.
- 1.1.10 The *viva voce* panellists should, as far as possible, work towards arriving at a unanimous decision on the candidate's performance. Where the panellists are unable to reach a unanimous agreement as to whether the candidate passes or fails, a vote shall be taken to arrive at a decision. A majority vote shall be required for passing the *viva voce* examination.
- 1.1.11 At the end of the *viva voce* examination, the panel members shall sign a *viva voce* Examination Results Form UDSM/PG.F11, giving a specific recommendation on the candidate's performance. This shall be submitted, along with a detailed report on how the candidate handled the questions, to the Chairperson of SPSC for processing, whereupon, each panellist in the *viva voce* examination shall receive an honorarium at the rate approved by the University.
- 1.1.12 Where there is a disagreement between the recommendation of the thesis examiners and the *viva voce* examiners, the SPSC shall study the case and recommend to Senate one of the following options:
- (a) The candidate revises and re-submits the thesis and subsequently re-appears for a further oral/written, or practical examination, within a specified period, but not exceeding 6 months since the date of the decision by Senate; or
  - (a) The candidate is deemed to have failed outright.
- 1.1.13 The duration of the *viva voce* examination for Masters Degrees shall not exceed two hours.
- 30 minutes of presentation
  - 1 hour and 15 minutes of questions and answers
  - 15 minutes of deliberations and decision by the examining panellists.
- 1.1.14 The *viva voce* panel should nominate the candidate's supervisor or an appointee from the relevant department to be the recorder of the *viva voce* examination proceedings.
- 1.1.15 The proceedings of the *viva voce*, vetted by the panel chairperson, must be ready within two weeks after the date of the *viva voce* examination.
- 1.1.16 The final decision on the award of the postgraduate degree shall be made by the Senate on the recommendation of the SPSC.
- 1.1.17 Work rejected by Examiners after re-submission shall not be accepted for re-examination at the University of Dar es Salaam.

#### 4.3 APPEALS

- 1.1.1 Appeals must be lodged with the appropriate University authorities within six months from the date of approval of the results.
- 1.1.2 Any appeal shall be lodged with the Board of the appellant's College, or School, or Academic Institute, which shall forward the appeal with observations to the SPSC, whose observations

and recommendations will be forwarded to Senate for approval.

1.1.3 Except where unfair marking, wrong computation of marks or grades or other like irregularity committed in the conduct of any University examination is alleged, no appeal shall lie in respect of any such examination on any ground.

1.1.4 No appeal will be considered where:

- (a) the candidate appeals for re-marking of examination script but fails to establish reasonable grounds for prejudice, incompetence, or lack of integrity on the part of the internal examiner.
- (b) it raises for the first time issues concerning the supervision, teaching or coursework assessment. Such matters will only be considered if the student had raised them promptly and in writing, at the time when they first arose.
- (c) A student alleges illness or other factors but where s/he had an opportunity to postpone studies or examination(s) but voluntarily opted not to take that opportunity.

1.1.5 Any member of the appellant's College, School or Academic Institute Board who participated in the making of the decision against which appeal is lodged shall not have a voting right in the Senate over such an appeal and may participate herein only in terms of presentation of findings and recommendations of the appellant's College, School or Academic Institute Board by answering queries, as the case may be, and shall otherwise be absent from the Senate session considering any such appeal.

1.1.6 Any student or candidate aggrieved by a decision of Senate on terms of the provisions of regulation regarding examination irregularities may apply for review of the decision by the Senate.

1.1.7 Appeals made under regulation 5.6 shall be lodged directly with the Deputy Vice Chancellor in charge of academics who shall forward them to the Senate with observations and recommendations herein.

1.1.8 Any person who has been involved at any stage in the processing of a case of alleged commission of examination irregularity, whether at first instance or in the preparation for the appeal, shall be barred from participating in the making decision over such a case, except for the purpose of making a presentation of findings or recommendations or answering queries, as the case may be, in respect thereof and shall otherwise be absent from the Senate session considering such appeal.

1.1.9 The candidate's appeal shall be entertained upon payment of an appeal fee as determined by the University Council.

1.1.10 A student may appeal to the Chairman of Senate against the decision of the Senate on his/her appeal by lodging the appeal through the DVC in charge of academics. Such an appeal shall only be entertained if Senate had at first rejected it and if the student presents new developments and/or grounds that were not and could not be made available to Senate.

1.1.11 The Chairman of Senate's decision on an appeal, which shall be reported to

Senate, shall be final and conclusive and no further appeal shall be entertained regarding the same issue.

## **5.0 DOCTOR OF PHILOSOPHY (PhD) DEGREE**

### **5.1 PhD MODES OF REGISTRATION**

The University of Dar es Salaam offers a Doctor of Philosophy degree programme in three modes of registration:

- a. Registration for Masters with possible upgrade to PhD by Coursework and Dissertation
- b. Registration for PhD by Coursework and Dissertation
- c. Registration for PhD by Thesis

### **5.2 ENTRY QUALIFICATIONS**

**MASTERS PROGRAMME WITH POSSIBLE UPGRADE TO PhD BY COURSEWORK AND DISSERTATION**

Upper Second class Bachelors degree from the University of Dar es Salaam or its equivalent. This applies to PhD programmes that have been designed to accommodate such transition.

**PhD BY COURSEWORK AND DISSERTATION**

Masters degree from the University of Dar es Salaam or its equivalent.

**PhD BY THESIS**

Masters degree from the University of Dar es Salaam or its equivalent.

### **5.3 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.

#### 5.4 Registration of PhD Candidates

- i. PhD candidates may be registered as full-time or part-time students.
- ii. Candidates shall be required to register at the beginning of the first year of their studies (using Form UDSM/PG.F4a) and to renew their registration at the beginning of subsequent years by filling in Form UDSM/PG.F5 after paying the required fees.
- iii. Failure to renew registration shall mean automatic discontinuation from studies.
- iv. The registration for PhD programmes shall follow a process similar to the one for Masters programmes stipulated in section 1.5.
- v. A candidate registered for the PhD degree programme by thesis may, on recommendation of the relevant College/School/Institute Board, be required to do one or more formal courses appropriate to his/her field of study, as prescribed by his/her supervisor(s).
- vi. The appointed supervisor(s) shall guide the candidate in his/her research and shall submit periodic reports (twice a year) on the candidate's progress (Form UDSM/PG.F6).
- vii.
  - (a) The duration of the PhD programme by coursework and dissertation shall be four years for full-time and six years for part-time candidates. PhD programme by thesis shall take three years for full-time and five years for part-time candidates.
  - (b) If, for valid reason(s), a candidate wishes to temporarily halt studies, he/she has to apply to the SPSC for the postponement of studies (during the coursework phase) or freezing of the registration (during the dissertation phase and for thesis candidates).
  - (c) Postponement of studies and freezing of registration shall be applied through the Principal/Dean/Director and the Head of Department to the Director of Postgraduate Studies who shall process for approval by the Chairman of Senate. The maximum periods for postponement of studies and for freezing of registration shall be two years.
  - (d) Candidates who, for valid reasons, fail to complete their programmes within the specified period may apply (using UDSM/PG.F7) for an extension of the registration period. The candidate shall pay a monthly fee prescribed by Council for such an extension.

(e) The total extension period shall not exceed two years for fulltime and three years for parttime candidates.

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

viii. 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.

#### 5.5 Submission of a PhD Thesis/Dissertation

- ix. The PhD degree examination requires the submission of a thesis/dissertation by the candidate, embodying the results of the research.
- x. PhD thesis/dissertation cannot be submitted without publishing at least one journal paper from the work.
- xi.
  - (a) Thesis/dissertation may be submitted either as a single monograph or at least 5 journal papers with introduction and conclusion chapters. Two of the journal papers must be published in an international journal recognized by the University of Dar es Salaam.
  - (b) The candidate must be the principal author in all journal papers submitted for the award of a PhD degree.
- xii.
  - (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.
- xiii. 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.F8) submitting, at the same time, the proposed title and an outline of the plan and general scope of the thesis/dissertation.
- xiv. 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.
- xv. 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.

#### 5.6 Examination of Theses/Dissertations and Award of a PhD Degree

- xvi.
  - (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.
- xvii. 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.
- xviii. 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.F9) 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.
- xix. 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;
- xx. 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.
- xxi. A thesis/dissertation not accepted as per regulation 5.6.3(d) above must be re-written and re-submitted for re-examination within 18 months.
- xxii. Candidates who fail to submit their thesis/dissertation within the period stated in 5.6.6 above shall be discontinued from studies.

### 5.7 Viva voce Examination for PhD Candidates

- xxiii. In addition to writing a thesis/dissertation, the PhD candidate shall appear for a *viva voce* examination.
- xxiv. 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.
- xxv. The candidate's supervisor or appointee of the department shall be the recorder of the *viva voce* examination proceedings
- xxvi. The questions in the *viva voce* examination shall primarily focus on the candidate's thesis/ dissertation research area.
- xxvii. The members of *viva voce* panel shall be so selected as to ensure that the candidate is examined by sufficiently qualified and experienced scholars in the research (or related) area.
1. (a) The *viva voce* examination shall comprise at least seven examiners appointed by the Senate through the relevant College/School/Institute Board and the SPSC
- (b) The composition of the *viva voce* panel shall be as follows:
- i) Chairperson (with voting power);
- ii) External Examiner who examined the thesis (or his/her representative);
- iii) Internal Examiner who did not supervise the work and examined the thesis/dissertation;
- iv) One of the candidate's supervisors (with voting power);
- v) Appointee of the Principal of College/Dean of School/Director of Institute where the candidate is registered;
- vi) Appointee of the Head of Department where the candidate is registered;
- vii) Three other qualified co-opted members, invited by the relevant College/School/ Institute, and approved by Senate through the relevant committee.
- (c) The other supervisor(s) who did not examine the thesis/dissertation shall be invited to the *viva voce* examination as observers. They shall neither have voting power nor ask questions.
- xxviii. The Chairperson of the *viva voce* panel, who need not be a specialist in the candidate's thesis/dissertation area, shall be a senior academician (at least senior lecturer).
- xxix. Panellists under Regulation no. xxvii.1 (b) (ii) and (iii) who are unable to be present at the *viva voce* examination, shall submit their oral examination questions to the College/School/Institute, and also nominate their representatives (where possible) to the *viva voce* who shall be appointed as per xxvii.1 (a).
- xxx. The *viva voce* panellists shall be provided with the examiners' reports, and copies of the candidate's thesis/dissertation, at least two weeks before the date of the oral examination.
- xxxi. The function of the *viva voce* shall be:
- (a) To ascertain that:
- (a) The thesis/dissertation presented (the data, methodology, analysis and findings) is the original work of the candidate;
- (b) The broader subject area in which the study is based is fully grasped;

- (c) Any uncertainties or weakness in the thesis/dissertation can be adequately clarified by the candidate; and
  - (d) To make a definite recommendation to the SPSC and Senate as to whether the candidate has passed or failed.
- (i) The *viva voce* panel shall, as far as possible, work towards arriving at a unanimous decision on the candidate's performance as per UDSM 2013 Postgraduate regulation number xxxi (a) (i) to (iii). Where the panellists are unable to reach a consensus as to whether the candidate passes or fails, a vote shall be taken to arrive at a decision. A majority vote in favour of passing the candidate shall be required for passing a *viva voce* examination.
- (c) At the end of the *viva voce* examination, the panel members shall sign a *viva voce* Examinations Results Form UDSM/PG.F12 giving a specific recommendation to SPSC on the candidate's performance with a definite recommendation for one of the following actions:
- i) The Candidate **PASSES** and no additional corrections in the thesis/dissertation are required;
  - ii) The Candidate **PASSES** subject to making minor corrections and revisions in the thesis/dissertation as stated in the *viva voce* proceedings, within three months;
  - iii) The Candidate is referred to make substantial corrections and revisions as stated in the *viva voce* proceedings within six months, and at least two *viva voce* panellists must certify that the corrections have been done as directed;
  - iv) The Candidate fails but should be given another chance to resubmit and defend the thesis/dissertation after eliminating the weaknesses detailed in the *viva voce* proceedings within nine months;
  - v) The Candidate fails outright.
- (j) The Chairperson of the panel shall also submit to SPSC a comprehensive report approved by the oral panellists, detailing all the questions addressed to the candidate and the answers he/she gave to those questions.
- (k) Whereupon, each panellist in the *viva voce* examination shall receive an honorarium at the rate approved by the University.
- (i) Where there is disagreement between the recommendations of the thesis/dissertation examiners and those of the *viva voce* panellists, the SPSC shall carefully study the case and recommend to Senate one of the following actions:
- (a) The candidate revises and re-submits the thesis/dissertation and subsequently re-appears for a further oral examination, within a specified period, but not exceeding 12 months from the date of the decision by Senate; or
  - (b) The candidate be deemed to have failed outright.
- a) The duration of the *viva voce* examination shall normally not exceed three hours.
    - Maximum of 45 minutes of presentation
    - Maximum of 2 hour of questions and answers
    - Maximum of 15 minutes of panellists' deliberations and decision.
  - b) Senate shall make the final decision on the PhD degree award to the candidate, on the recommendation of the SPSC.
  - c) Subsequent publications from a thesis/dissertation submitted for the PhD degree of

the University of Dar es Salaam must contain a statement to the effect that the work is based on a thesis submitted to the University.

## 6.0 HIGHER DOCTORATE DEGREES

### 6.1 Definition

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

- (a) Doctor of Literature in the Colleges of Arts and Social Sciences (CASS), 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).
- i) 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

- (i) 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.
- (ii) 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.
- (iii) 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.
- (iv) 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).
- (v) 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.

#### 1.4 Submission of Published Works and Examinations

- 6.4.1 The work submitted by the candidate shall be in four copies, and be referred to three examiners appointed by Senate on the recommendation of the College/School/Institute Board, and the SPSC. All the Examiners shall be external to the University, preferably holders of Higher Doctorates themselves.
- 6.4.2 The work shall be accompanied by a declaration by the candidate that it has not been submitted for a Higher Doctorate in any other University.
- 6.3.3 The job of the examiners is to carefully and critically examine the candidate's contribution to ascertain that:
- (a) The work shows outstanding originality;
  - (b) The candidate's contribution to knowledge has been substantial; and
  - (d) The format of presentation of the candidate's work is acceptable.
- 6.4.4 Examiners for the Higher Doctorate should be selected from amongst the most highly distinguished international scholars in the subject, preferably holders of Higher Doctorates themselves.
- 1.1.5 The examiners may recommend the candidate to appear for a *viva voce* examination. Under such circumstances, the PhD regulations for *viva voce* examination shall be used as guidelines.

#### 6.5 Higher Doctorate Award

- 1.1.1 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.
- 1.1.2 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.
- 1.1.3 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.
- 1.1.4 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.
- 1.1.2 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.
- 1.1.3 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.
- 1.1.4 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.

- 1.1.5 Occasional Students shall pay their fees *pro rata*, in accordance with what is prescribed for regular postgraduate students.
- 1.1.6 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.
- 1.1.2 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.
- 1.1.3 Short-term students may register for undergraduate courses, in which case relevant undergraduate regulations shall apply.
- 1.1.4 Short-term students may enrol for training by research alone, in which case they will be assigned supervisors to guide them.
- 1.1.5 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.
- 1.1.6 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

- 1.1 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 2013 UDSM postgraduate regulation Section 8-10.
- 1.2 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.

1.3 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.

1.4 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.

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

## 10.0 ENQUIRIES ABOUT POSTGRADUATE STUDIES

1.1 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: [dsgs@admin.udsmAc.tz](mailto:dsgs@admin.udsmAc.tz)  
Tel. General: +255-22-2410500-9, Ext: 2010  
Tel. Direct: +255-22-2410069  
Fax: +255-22-2410078

### 10.2 Applications for Admission

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

## UNIVERSITY OF DAR ES SALAAM FEE STRUCTURE

### 1.1 Direct University Costs

Cost Item	Tanzanian Students Amount in TZS.	Non-Tanzanian Students (US\$)
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
<b>Total</b>	<b>6,950,000</b>	<b>7,050,000</b>	<b>8,400,000</b>	<b>4,565</b>	<b>4,440</b>	<b>5,315</b>

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

### 1.3 Research Funds

College/School/Institute	Tanzanian Students (In TZS).		Non - Tanzanian Students (In US \$).	
	Masters	PhD	Masters	PhD
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, UDBS, MUCE & DUCE	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 PhD by Coursework and Dissertation, the amount shown is paid in the third or fourth year of study during the research phase.
- (iii) For PhD by thesis, the amount shown covers three years of study.

**NB: Tuition Fee for each programme has been indicated in respective to 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.**

## A. 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 228<sup>th</sup> 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:**

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non-Tanzanian (US \$)
	Master of Science in Fisheries and Aquaculture	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non-Tanzanian (US \$)
	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

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

The minimum number of credits for graduation is 192, of which 144 are for coursework and 48 for dissertation. Of the coursework credits, each student is required to take 104 credits from core courses and a minimum of 40 credits from elective courses. Completing a course is defined as obtaining a B grade or higher. 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	48
	Total Number of Core Credits	<b>152</b>

### Elective courses

Course Code	Course Title	Credits
AF 610	Fish Physiology and Endocrinology	8
AF 611	Environmental Impact of Aquaculture and Capture Fisheries	12
AF 612	Systematic Ichthyology	8
AF 613	Ecology and Behaviour of Fishes	8
AF 614	Recreational and Ornamental Fisheries	8
AF 615	Aquatic Resources and Biodiversity Management	8
BL 607	Biostatistics	12
BT 603	Seaweed Culture and Processing	12
SC 601	Advanced Research Methods	12
	Total Number of Elective Credits	<b>88</b>

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

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

### 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.

### Core Courses Fisheries Stream

Course Code	Course Title	Credits
AQ 701	Philosophical Issues and Ethics in Scientific Research	24
AQ 711	Tropical Fish Population Dynamics	24
AQ 713	Biology of Finfish and Shellfish	24
AQ 715	Management and Conservation of Aquatic Resources	24
AQ 702	Aquatic Systems, Climate Variability and Change	24
AQ 712	Ecology of Fishes	24
AQ 714	Fisheries Policy, Laws, Planning and Management	24
	<b>Total number of Core Credits</b>	<b>168</b>

### Core Courses Aquaculture Stream

Course Code	Course Title	Credits
AQ 701	Philosophical Issues and Ethics in Scientific Research	24
AQ 721	Advanced Aquaculture Systems	24
AQ 722	Aquatic Animal Nutrition	24
AQ 723	Aquaculture Economics	24
AQ 702	Aquatic Systems, Climate Variability and Change	24
AQ 716	Fish Health and Pathology	24
	<b>Total Number of Core Credits</b>	<b>144</b>

### Core Courses Biological Oceanography Stream

Course Code	Course Title	Credits
AQ 701	Philosophical Issues and Ethics in Scientific Research	24
AQ 731	Marine Microbial Interactions	24
AQ 732	Marine Photosynthesis and Primary Production	24
AQ 702	Aquatic Systems, Climate Variability and Change	24
AQ 733	Secondary Production in the Pelagic Realm	24
AQ 734	Benthic Ecology and Production	24
	<b>Total Number of Core Credits</b>	<b>144</b>

### Core Courses Limnology Stream

Course code	Course Title	Credits
AQ701	Philosophical Issues and Ethics in Scientific Research	24
AQ741	Dynamics of Freshwater Systems	24
AQ743	Advanced Watershed Management	24
AQ702	Aquatic Systems, Climate Variability and Change	24
AQ742	Eco-hydrology	24
AQ744	Applied Limnology	24
	<b>Total number of Core Credits</b>	<b>144</b>

**Optional courses Fisheries Stream**

Course Code	Course Title	Credits
AQ 715	Management and Conservation of Aquatic Resources	24
AQ 717	Management of Small Impoundments	24
AQ 719	Advanced Fisheries Economics	24
AQ 736	Ocean Colour Remote Sensing	24
AQ 716	Fish Health and Pathology	24
AQ 720	Social and Environmental Impacts of Fisheries and Aquaculture	24
AQ 718	Modern Techniques in Ichthyology	24
AQ 725	Fisheries and Aquaculture Extension	24
	<b>Total Number of Core Credits</b>	<b>192</b>

**Optional courses Aquaculture Stream**

Course Code	Course Title	Credits
AQ 713	Biology of Finfish and Shellfish	24
AQ 735	Molecular Techniques and Bioinformatics	24
AQ 724	Construction of Aquaculture Facilities	24
AQ 725	Fisheries and Aquaculture Extension	24
AQ 726	Aqua-products Marketing and Trade	24
AQ 718	Modern Techniques in Ichthyology	24
	<b>Total Number of Core Credits</b>	<b>144</b>

**Optional courses Biological Oceanography Stream**

Course code	Course Title	Credits
AQ715	Management and Conservation of Aquatic Resources	24
AQ735	Molecular Techniques and Bioinformatics	24
AQ736	Ocean Colour Remote Sensing	24
AQ712	Ecology of Fishes	24
AQ737	Ecological Modelling	24
AQ738	Ocean Biogeochemistry	24
	<b>Total Number of Core Credits</b>	<b>144</b>

**Optional courses Limnology Stream**

Course Code	Course Title	Credits
AQ 717	Management of Small Impoundments	24
AQ 733	Secondary Production in the Pelagic Realm	24
AQ 736	Ocean Colour Remote Sensing	24
AQ 746	Freshwater Policies and Management	24
AQ 732	Marine Photosynthesis and Primary Production	24
AQ 737	Ecological Modelling	24
AQ 745	Tropical Wetlands Ecosystems and Management	24
	<b>Total Number of Core Credits</b>	<b>168</b>

**YEAR 2, 3 & 4: DISSERTATION**

Course Code	Status	Credits
AQ 799	Core	270
AQ 775	Elective	24

**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

### Office of the Principal

#### *Professor and Principal*

J. F. Machiwa, BSc (Dar), MSc (Wales), PhD (Stockholm)

#### *Associate Professor and Deputy Principal*

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#### *Senior Administrative Officer*

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#### *Ordinary Seaman II*

H. Ramadhani, Cert in Marine Mechanics (Mbegani)

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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 PhD degree is offered by thesis. CoET offers the following postgraduate programmes:

S/N	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"> <li>■ Water Resources Engineering;</li> <li>■ Structural Engineering;</li> <li>■ Transportation Engineering</li> </ul>	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"> <li>■ Energy Engineering</li> <li>■ Production Engineering</li> </ul>	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
	Master of Integrated Water Resources Management, (MIWRM)	Coursework and Dissertation	Fulltime	18 months (Starts in March 2017)	4,781,500	6,030

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	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"> <li>■ Information Communication Technology Management (ICTM)</li> <li>■ Project Management (PM)</li> </ul>	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"> <li>■ Project Management and ICTM for evening programme</li> <li>■ Project Management for Online programme</li> </ul>	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"> <li>■ Project Management and ICTM for evening programme</li> <li>■ Project Management for Online programme</li> </ul>	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
	Doctor of Philosophy (PhD) in Chemical Engineering	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Electrical Engineering	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Mechanical Engineering	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Energy Engineering	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	Doctor of Philosophy (PhD) in Renewable Energy	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Engineering Materials	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Engineering Management	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Civil Engineering	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Structural Engineering	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Transportation Engineering	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Geotechnical Engineering	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Construction Engineering	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Water Resources Engineering	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Doctor of Philosophy (PhD) in Integrated Sanitation Management	Thesis	Fulltime	36 months	3,387,500 per year	4,020 per year
	Master of Science in Chemical Engineering	Thesis	Fulltime	24 months	6,375,000	8,040
	Master of Science in Electrical Engineering	Thesis	Fulltime	24 months	6,375,000	8,040
	Master of Science in Production Engineering	Thesis	Fulltime	24 months	6,375,000	8,040
	Master of Science in Renewable Energy	Thesis	Fulltime	24 months	6,375,000	8,040
	Master of Science in Energy Engineering	Thesis	Fulltime	24 months	6,375,000	8,040
	Master of Science in Civil Engineering	Thesis	Fulltime	24 months	6,375,000	8,040
	Master of Science in Structural Engineering	Thesis	Fulltime	24 months	6,375,000	8,040
	Master of Science in Construction Management	Thesis	Fulltime	24 months	6,375,000	8,040
	Master of Science in Water Resources Engineering	Thesis	Fulltime	24 months	6,375,000	8,040
	Master of Science in Transportation Engineering	Thesis	Fulltime	25 months	6,375,000	8,040
	Master of Integrated Water Resources Management	Thesis	Fulltime	24 months	6,375,000	8,040



S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	Master of Science in Integrated Sanitation Management	Thesis	Fulltime	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 fulltime 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 If satisfied with the quality of the proposal, the department shall submit the proposal for evaluation at the College PSRP 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 (SPSC).

2.9 Maximum period for the registration process is six months. Candidates will pay TZS 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 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.

#### 1.0 Entry Requirements

1.1 A candidate for admission to the PhD degree programme in the CoET 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 PhD registration after initially registering for the Masters Degree (Thesis), and demonstrating outstanding performance after doing postgraduate training for at least one year, upon recommendations of the College PGS & R Committee and authorization by Senate.

#### 2.0 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 PPGS&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.

#### 3.0 Sandwich Programmes

The CoET offers PhD 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 PhD Training under the sandwich mode is also offered in line with the frameworks of collaborative research programmes with other universities. The following are the basic guidelines for conducting PhD under this mode.

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.

#### **Programmes Structure**

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 Comission for Univeristiers (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 units 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			
	<b>Elective Courses (Select at least 12 Credits)</b>			<b>Elective Courses (Select at least 44 Credits)</b>	
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
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### 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
	<b>Optional Courses (Select at least 8 Credits)</b>			<b>Optional Courses (Select at least 8 Credits)</b>	
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
	<b>Compulsory Courses for Students in the Concrete Stream</b>			<b>Compulsory Courses for Students in the Steel Stream</b>	
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
	<b>Elective Courses for All Students (Select at least two Courses)</b>			<b>Elective Courses for All Students (Select at least two Courses)</b>	
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
<b>Semester 3</b>					
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 PhD

#### 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 1			Semester 2		
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			
	<b>Elective Courses: Select at least 12 Credits</b>			<b>Elective Courses: Select at least 44 Credits</b>	
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 major objectives of the MSc. in Highway Engineering programme is 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 neighbouring 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			
	<b>Elective Courses- N/A</b>			<b>Elective Courses (Select at least 12 Credits)</b>	
			MG 623	Project Management	12
			EM 602	Numerical Analysis	12
SEMESTER 3					
TR 699	Dissertation	60			

#### DEPARTMENT OF WATER RESOURCES ENGINEERING

The Department of Water Resources Engineering (WRED) was established in December 2001. The department is located at the Block B and C of the College of Engineering and Technology. The Staff of the WRED are engaged in providing postgraduate level education leading to Postgraduate Diploma, MSc., and PhD degrees in Water Resources Engineering and Master in Integrated Water Resources Management (MIWRM).

Participating in collaborative research and developing individual research projects. Providing advanced level training of short duration in specialised areas of Water Resources engineering. Providing consultancy service through the Bureau of Industrial Cooperation (BICO) of the College of Engineering and Technology. Participating in research collaboration and staff exchange with various universities, research organizations and water authorities within and outside Sub-Saharan Africa.

It hosts a well-developed International postgraduate programmes for students from all countries of Africa under the auspices of ANSTI and WATERNET. The trainees can choose various streams

of specialization such as Engineering Hydrology and Environmental Engineering. It may be noted that the Environmental engineering in the current context refers to water-related problems of the environment. The Department also offers postgraduate studies that lead to PhD degrees.

#### POSTGRADUATE DIPLOMA IN CIVIL ENGINEERING WITH 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 a total 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.  
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.

##### 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			
Elective Courses (Select at least 12 credits)			Elective Courses (Select at least 44 credits)		
WR 342	Waste Water Engineering	12	WR 325	Irrigation Engineering	8
WR 603	Hydraulics and Open Channel Flow	12	WR 323	Applied Hydrology	8

WR 322 (WR 410)	Hydraulics Structures and Machinery	8	WR 604	Hydrological Processes	12
			WR 607	Groundwater Hydraulics	12
			WR 443 (WR 442)	Introduction to Water Chemistry and 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 for the past fourteen years. The programme is sponsored project of the African Network of Scientific and Technological Institutions ANSTI, and therefore draws candidates from the whole continent of Africa.

The students in the MSc. in Water Resources Engineering programme can choose to specialize or emphasize in either Engineering Hydrology, or 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 Hydraulics	8	WR 607	Groundwater Hydraulics	12
WR 605	Advanced Hydrological Frequency Analysis	4	WR 604	Hydrological Processes	12
EM 601	Mathematical Analysis	12	WR 606	Advanced Analytical Hydrology	4
	<u>Elective Courses</u> (Select 12 Credits)			<u>Elective Courses</u> (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
	<u>Elective Courses</u> (Selecta at least 24 Credits)			<u>Elective Courses</u> (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
	<u>Elective Courses</u> (Select at least 16 Credits)			<u>Elective Courses</u> (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
<b>Semester 3</b>					
WR 699	Dissertation				60

#### MASTER OF INTEGRATED WATER RESOURCES MANAGEMENT (MIWRM)

##### Introduction

During admission, students in MIWRM programme can choose to specialise in either Hydrology or Water Resources Management or Water and Land or GIS and Earth Observation or Water and Environment or Water Supply and Sanitation or Water and Society. The programme runs in collaboration with other Universities within the SADC, which offers one of the specialisations. UDSM offers the Hydrology specialisation. Other universities offers 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			
<b>Semester 3</b>					
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			
<b>Semester 3</b>					
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			
<b>Semester 3</b>					
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			

<b>Semester 3</b>		
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
	<b><u>Elective Courses</u></b>			<b><u>Elective Courses</u></b>	
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
<b>Semester 3</b>					
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:

- To enable graduates to apply knowledge of electrical engineering principles.
- To enable graduates to have knowledge in the areas of Electrical Power Engineering.
- 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.
- To equip students with hands-on experience on key modern electrical power systems and computer based test and measurement equipments.
- To equip students with knowledge to develop appropriate engineering analytical models based on given specifications.
- To impart effective leadership and decision-making skills.
- 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
	<b>Elective Courses (Select 24 credits Minimum)</b>			<b>Elective Courses (Select 12 credits Minimum)</b>	
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			
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### MASTER OF SCIENCE IN POWER ELECTRONICS AND ELECTRICAL DRIVES

#### Introduction

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

#### 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, modelind and simulation of Power Electronics Systems and Electrical Drive Systems and to suggest new concepts related to this field.

The students in the MSc. in Power Electronics and Electrical Drives Programme are provided to suBSc.ribe 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
CS 680	Computer Programming	12	EM 601	Mathematical Analysis	12
DP 601	Rotating Machines Analysis	12	EM 602	Numerical Analysis	12
DP 602	Power Electronics	12			
	<b>Elective Courses (Select 24 Credits Minimum )</b>			<b>Elective Courses (Select 36 Credits Minimum)</b>	
CS 662	Control System Analysis and Synthesis	12	DP 683	Foundations of Electrical Systems	12

DP 600	Basic Control Theory and Electronic Control	12	MG 611	Engineering Finance and Economics	12
DP 610	Modelling & Simulation of Power Electronics Circuits	12	MG 632	Entrepreneurship Development	12
DP 681	Network Analysis	12	DP 682	Network Synthesis	12
<b>SEMESTER 3</b>					
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 the relevant fields of specialisation. Students can register either as FULLTIME or PART TIME student. The programme consists of 180 credits. During the coursework candidates must complete 60 credits of the core course modules and 60 credits of the elective courses. Upon successful completion of the coursework candidate must complete 60 credits of dissertation.

#### 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 subscribe 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			

Elective Courses (Select 24 Credits Minimum)			Elective Courses (Select 36 Credits 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
<b>Semester 3</b>					
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 (Industrial and Information Technology Management)
8. Master of Engineering Management (Techno-Entrepreneurship)
9. Master of Science in Oil and Gas Engineering
10. Doctor of Philosophy PhD, 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.
- To 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.
- To 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
EN 437-PGD	Mechanical Systems Control	12	MG504	Production Management	12
MG 502	Foundations of Operations Research	12	PD 599	Production Engineering Project	12
	<b>Elective Courses (Select at least 24 credits )</b>			<b>Elective Courses (Select at least 12 credits)</b>	
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
EN 437-PGD	Mechanical Systems Control	12	MG 504	Production Management	12
MG 502	Foundations of Operations Research	12	EN 599	Energy Engineering Project	12
	<b>Elective Courses (Select at least 24 Credits)</b>			<b>Elective Courses (Select at least 12 Credits )</b>	
EN 338	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	En 339-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 FULLTIME DAY Programmes mode, FULLTIME 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 FULLTIME 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 FULLTIME modes (Day or Evening), the project shall be executed during the whole of the second semester.
10. Candidates for the EVENING FULLTIME 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 (Parttime) 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 (FULLTIME 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 (FULLTIME DAY or EVENING) whose overall GPA at the end of the second semester is 2.7 or above but has failed in one or more courses shall be required to sit for a supplementary 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
	<b>Elective Courses</b> (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
	<b>Elective Courses</b> (Select at least 22 Credits)	
MG 601	Organization and strategic Management	12
MG 603	Principles of Environmental Management	12

MG 611	Engineering Finance and Economics	12
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### 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
	<b>Elective Courses (Select at least 12 Credits)</b>			<b>Elective Courses (Select at least 12 Credits)</b>	
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			
				<b>Elective Courses (Select at least 48 Credits)</b>	
			MG 611	Engineering Finance and Economics	12
			EN 625	Hydroturbines	12
			EN 622	Energy Conversion Systems	12
			EN 621	Renewable Energy Technologies	12
			EN 612	Automotive Engineering	12

			EN 611	Computational Fluid Dynamics	12
			PD 620	Design Methodology	12
<b>Semester 3</b>					
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)

<b>Semester 1</b>		
<b>Core Courses</b>		
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
CS 680	Computer Programming	12
MG 602	Statistics and Research Methods	12
MG 621	Project Appraisal	12
MG 622	Consulting Management	12
	<b>Elective Courses (Select 12 Credits Minimum )</b>	
MG 612	System Thinking and Quality Management	12
MG 631	Fundamentals of Technology Management	12
MG 632	Entrepreneurship Development	12

<b>Semester 2</b>		
<b>Core Courses</b>		
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
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

	<b>Elective Courses (Select 12 Credits Minimum)</b>	
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

<b>Semester 3</b>		
MG 699	Dissertation	60

### 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.

#### 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)

<b>Semester 1</b>		
<b>Core Courses</b>		
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
CS 680	Computer Programming	12
MG 602	Statistics and Research Methods	12
MG 614	<b>Database Management Systems</b>	12
	<b>Elective Courses (Select 24 Credits Minimum )</b>	
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 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
MG 613	Application of AI, ES, and DSS in Management	12
MK 600	Marketing Management	12
	<b>Elective Courses (NA)</b>	

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.

#### 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
	<b>Elective Courses (Select 12 Credits Minimum )</b>	
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
	<b>Elective Courses (Select 24 Credits Minimum )</b>	
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 designs, pollution associated risk assessors 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.
- a) 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 designs 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.

- b) 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
- c) 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			
	<b>Elective Courses (Select One Minimum)</b>			<b>Elective Courses (Select Three Minimum)</b>	
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
<b>Semester 3</b>					
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			
	<b>Elective Courses (Select 12 Credits Minimum)</b>			<b>Elective Courses (Select 24 Credits Minimum)</b>	
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
<b>Semester 3</b>					
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			
	<b>Elective Courses (Select 12 Credits Minimum)</b>			<b>Elective Courses (Select 36 Credits Minimum)</b>	
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
<b>Semester 3</b>					
DP 699	Dissertation	60			

**List of Courses for the MSc. in Renewable Energy programme- Energy Efficiency in Buildings Specialization**

<b>Semester 1</b>			<b>Semester 2</b>		
<b>Core Courses</b>			<b>Core Courses</b>		
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
EM 601	Mathematical Analysis	12	EN 626	Heat Transfer and Thermal Insulation in Buildings	12
MG 602	Statistics and Research Methods	12	SD 682	Low Energy Architecture	12
DP 603	Electrical Energy Systems	12	SD 683	Energy, Comfort and Buildings	12
	<b>Elective Courses (Select 24 Credits Minimum)</b>			<b>Elective Courses (Select 24 Credits Minimum)</b>	
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
<b>Semester 3</b>					
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 candidate 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**

<b>Semester 1</b>			<b>Semester 2</b>		
<b>Core Courses</b>			<b>Core Courses</b>		
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
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
	<b>Elective Courses (Select at least one course)</b>			<b>Elective Courses (Select at least one course)</b>	
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
<b>Semester 3</b>					

ME 699	Dissertation	60		
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**DEPARTMENT OF CHEMICAL AND MINING ENGINEERING**

**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 (Select 24 Credits Minimum)</u>			<u>Elective Courses (Select 16 Credits Minimum)</u>	
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>Elective Courses (Select 12 Credits Minimum)</u>			<u>Elective Courses (Select 12 Credits Minimum)</u>	
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			

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*Lecturer and Coordinator of Quality Assurance*

M. Materego, BScEng (Dar), MScEng (Sheffield, UK), PhD (Leeds)

*Lecturer and Deputy Manager, Technology Development and Transfer Centre (TD)*

H. Meleki, BScEng (Dar), MScEng (Brunswick), PhD (Brunswick)

*Lecturer and Deputy Manager, Technology Development and Transfer Centre (TT)*

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

*Lecturer and Coordinator, Gender*

D. Kaombe, BScEng (Dar), MSc. (Reading, UK), PhD (Trondheim)

*Principal Laboratory Engineer I and Head, Central Technical Service*

A. L. Palangyo, PGD, MEM (Dar)

*Lecturer and Coordinator, Practical Training*

S. Marandu, BScEng, MScEng (Dar), PhD (Newcastle)

*Professor and Chief Editor, Tanzania Journal of Engineering and Technology (TJET)*

A. W. Mayo, BScEng (Dar), MSc (Tampere), PhD (Tohoku)

*Principal Administrative Officer and Head, Human Resource Management and Administration*

E. Nyika, B.A. (PA) (Dar), MLIS (Dalhousie)

*Administrative Officer*

J. E. M. Bukuku, DipClinMed, MATC, (Mbeya), BASO (Dar), MADemo (Dar)

### College Accountant

S. Aloyce, ACPA, MBA

### Head, Procurement Unit

D. Mkusu, CSP (T)

### Department of Chemical and Mining Engineering (CME)

*Senior Lecturer and Head*

A. J. M. Itika, BScEng (Dar), MScEng (Leeds), PhD (TU-Clausthal)

*Professors*

J. H. Y. Katima, BScEng (Dar), MPhil (Loughborough), PhD (Leeds)

*Associate Professors*

E. Elisante, BScEng (Dar), MScEng (Arizona), PhD (Tohoku)

A. K. Temu, BScEng (Dar), MSc, PhD (Trondheim)

*Senior Lecturers*

A. J. M. Itika, BScEng (Dar), MScEng (Leeds), PhD (TU, Clausthal)

E. Masanja, BScEng (Dar), MPhil, PhD (Edinburgh)

M. L. Raphael, BScEng (Dar), MSc (Texas A&M), PhD (Saskatchewan)

R. J. A. Minja, BScEng (Dar), MSc (Ottawa), PhD (NTNU, Trondheim)

O. Kibazohi, BScEng (Dar), MSc, PhD (Waterloo)

\*\*\*S. J. E. Maronga, BScEng (Dar), MSc (Texas A&M), PhD (KTH, Stockholm)

H. T. H. Kimweri, BScEng (Dar), MSc (Ottawa), PhD (British Columbia)

*Lecturers*

K. M. Janga, BScEng (Dar); MSc (Dar), PhD (Trondheim)

K. R. Baruti, BScMN (Zambia), MScEnvMan (Australia), PhD (Dar)

D. Kaombe, BScEng (Dar), MSc (Reading, UK), PhD (Trondheim)

A. Salama, BScEng (Dar), MScEng (Paris School of Mining), PhD (Lulea)

H. M. Hiji, BScEng, MScEnvEng, PhD (Dar)

M. M. Said, BScEng, MSc (Dar), PhD (Dar)

*Assistant Lecturers*

\*R. J. Katemi, BscEng, MScEng (Dar)

A. Isibika, BSc, MScEng (Dar)

\*A. W. Wikedzi, BScEng (Dar), MSc (Lulea)

D. Leonard, BScEng (Dar), MScEng (Newcastle)

\*D. Mfanga, BScEng (Dar), MScEng (Laurentian)

\*J. M. Jeremiah, BSc, MScEng (Dar)

K. Izina, BScEng (Dar), MScEng (Laurentian)

\*M. Daniel, BScEng (Dar), MSc (Witswatersrand)

\*N. Msuya, BSc, MScEng (Dar)

P. S. Kaheshi, BScEng (Dar), MScEng (Exeter)

S. J. Mafwenga, BScMNSc (Zambia) MScMN (South Illinois), PhD (Dar)

S. M. Said, BScEng (Dar), MScCE (Newcastle)

\*Z. Katima, BScEng (Dar), MSc (Ghent)

M. Dotto, BScEng (Dar), MSc (Edmonton)

G. William, BScEng (Dar), MSc (UBC)

B. Francis, BScEng (Dar), MSc (UBC)

G. William, BScEng (Dar), MSc (Exeter)

\*V. Victor, BScEng (Dar), MScEng (Ghent)

F. Ngoroma, BScEng (Dar), MScMPE (UCT)

O. Mkinga, BScEng (Dar), MScPE (NTNU)

F. Andalu, BScEng (Dar), MScPE (NTNU)

A. Sykilili, BScEng (Dar), MScPE (NTNU)

R. Moris, BScEng (Dar), MScPE (NTNU)

G. Nsemwa, BScEng (Dar), MScPE (NTNU)

*Tutorial Assistant* N. Bernard, BScEng (Dar)

D. Kalitenge, BScEng (Dar)

F. Kaborogo, BScEng (Dar)

A. Bakari, BScEng (Dar)

*Chief Laboratory Engineers*

J. L. Kamara, BScEng, MSc (Dar)

*Laboratory Engineer II*

S. I. Deo BScEng (Dar)

*Principal Laboratory Scientist I*

Vacant

*Laboratory Scientist I*

Vacant

*Principal Laboratory Technician II*

W. Kazimbaya

G. Mwakasege

*Senior Technician I*

Vacant

*Principal Artisan II*

F. Mkawe

*Foreman*

R. Komba

*Artisan II*

E. Godson

*Office Management Secretary*

N. Jambo

*Systems Administrator*

P. John

*Office Attendant*

J. Samson

## **Department of Mechanical and Industrial Engineering**

*Senior Lecturer and Head*

G. S. Mwaluko, BScEng (Dar), MScEng (Strathclyde), PhD (SA)

*Professors*

G. R. John, BScEng (Dar), MScEng, PhD (Leeds)

J. Runyoro, BScEng (Dar), MScEng (Cranfield), PhD (Birmingham)

*Associate Professors*

C. Z. M. Kimambo, BScEng (Dar), MScEng (Reading), PhD (City Univ. London)

B. B. Mutagahywa, BScEng, MScEng (Dar), PhD (Loughborough)

J. V. Tesha, BScEng (Dar), MScEng, PhD (Cranfield)

B. A. T. Kundi, BScEng (Dar), MScEng, PhD (Waterloo)

B. B. Nyichomba, BScEng (Dar), MScEng, PhD (Birmingham)

\*\*\*E. A. M. Mjema (M), BScEng (Dar), MScEng (Alberta), DrIng (Aachen University of Technology)

C. F. Mhilu, MScEng (Leningrad), PhD (Leeds)

L. Y. Mwaikambo, ATITXT (Bolton), MScME (Dar), PhD (Bath)

P. L. Mtui, BScEng (Dar), MScEng (Strathclyde), PhD (British)

N. G. Nalitolela, BScEng (Dar), MScEng (Newcastle Upon Tyne), PhD (Aston)

L. V. Haule, BScEng (Dar), MSc (Manchester), PhD (Manchester)

*Senior Lecturers*

\*\*\*B. S. Ndazi, BScEng, MScEng, PhD (Dar)

\*\*\*T. E. Mwinuka, BScEng (Dar), MScEng (Dar), MSc (Warwick), PhD (Manchester)

\*\*\*M. I. Mgwatu, BScEng (Dar), MScEng (Ottawa), PhD (Dar)

M. H. Mkumbwa, BScEng (Dar), MScEng, PhD (Strathclyde)

E. Elias, BScEng (Dar), MScEng (Newcastle Upon Tyne), PhD (Strathclyde)

H. M. Rajabu, BScEng (Dar), MSc (Leeds), PhD (Dar)

F. A. Chami, MSc (Moscow), PhD (Dar)

G. S. Mwaluko, BScEng (Dar), MScEng (Strathclyde), PhD (SA)

\*\*\*W. Nshama, BScEng (Dar), MScEng, PhD (Queen's)

*Lecturers*

S. J. Kimaro, BScEng (Dar), MScEng (Loughborough)

J. Mohamed, BSc (URP) (Dar), MEM, PhD (Dar)

V. Mahabi, BScEng (Dar), MSc (Loughborough), PhD (Florida State)

I. Legonda, BScEng, MScEng (Dar), P.Hd. (Cardiff)

J. Kihedu, BScEng, MScEng (Dar), PhD (Nagoya)

P. B. Msemwa, BScEng, MScEng, PhD (Dar)

M. Mrango, BScEng (Dar), MSc (Manchester), PhD (Manchester)

S. Marandu, BScEng, MScEng (Dar), PhD (Newcastle)  
M. Materogo, BScEng (Dar), MScEng (Sheffield, UK), PhD (Leeds)  
M. Mtebwa, BScEng (Dar), MSc (EPFL, Lausanne), PhD (EPFL, Lausanne)  
I. J. Macha, BScEng (Dar), MSc (KTH), PhD (UTS, Sydney)  
E. Mbise, BScEng (Dar), MScTXT (Manchester) PhD (NTU)  
N. Ezekiel, BScEng (Dar), MSc, PhD (KTH)

*Assistant Lectures*

\*S. Ibrahim, BScEng, MScEng (Dar)  
\*J. Machuve, BScEng (Dar), MEM (Dar)  
\*J. Kafuku, BScEng (Dar), MEM (Dar)  
\*J. M. Ngowi, BScEng, MEM. (Dar)  
\*D. Mahwera, BScEng (Dar), MPhil (Manchester)  
\*C. Kahabi, B.A. (Dar), MPhil (Manchester)  
\*\*P. M. Bulemo, BScEng (Dar), MScTXT (Manchester)  
\*P. Bigambo, BScEng (Dar), MScTXT (Manchester)  
\*S. Ayeng'o, BScEng, MScEng (Dar)  
\*M. John, BScEng, MScEng (Dar)  
\*T. Venance, BScEng (Dar), MScTXT (Manchester)  
A. Kagwa, BScEng, MEM (Dar)  
L. Msalilwa, BScEng (Dar), MScEng (Niederrheim)  
J. M. Bidu, BScEng (Dar), MScEng (Niederrheim)  
A. M. Mwakibambo, BScPE (Dar), MScEng (Niederrheim)  
M. Nnko, BScEME (Dar), MEM (Dar)  
\*L. Nambera, BScChem, MSc (Dar)  
F. Makonela, BScEng, MSc Eng (Dar)  
I. W. R. Taifa, BSc (IEM) (Dar), MSc. (India)

*Tutorial Assistants*

\*J. Lutta, BArch. (ARU)  
F. J. Mweta, BSc (ME) (Dar), MSc (KAIST)  
\*V. S. Jolly, BSc (IEM) (Dar)  
E. Nyanga, BSc (ME) (Dar)  
H. Nyobuya, BSc (ME) (Dar)  
M. Halinga, BSc (ME) (Dar)  
C. Wambura, BSc (ME) (Dar)  
\*E. Nshama, BSc (ME) (Dar)  
T. Alexander, BSc (TXD) (Dar)

*Chief Technicians*

J. Philipo  
P. W. Fungo  
E. Magang'hila  
M. K. Maswanya  
M. Wanchara  
A. Marcel

*Senior Technician II*

O. W. Hazali  
L. Mwamakula

*Principal Laboratory Assistants I*

G. H. Katani  
S. H. Makoleo  
J. Nelson  
B. Mwashubila

*Foreman*

E. D. Mbeleka

*Secretary II*

B. J. Tomonja

*System Administrator*

D. Fuli

**Department of Structural and Construction Engineering (SCE)**

*Senior Lecturer and Head of Department*

J. K. Makunza, BSc, MSc (Dar), Dr. Ing (Dortmund)

*Associate Professors*

N. M. Lema, BScEng (Dar), MSc, PhD, (Loughborough)  
A. L. Mrema, BScEng (Dar), MSc (Strathclyde), PhD (Colorado State)  
I. A. Rubarataka, MSc, PhD (Kiev)  
\*\*\*J.J. Msambichaka, BScEng (Mysore), MSc (Dar), Dr. Ing. (Dortmund)

*Senior Lecturers*

A.A. Shirima, BScEng, (Dar), DiplIng (Darmstadt), Dr. Ing (Kassel)  
J.K. Makunza, BSc, MSc (Dar), Dr. Ing (Dortmund)  
\*\*\* L.M. Shirima, BScEng, MSc (Dar), Dr. Ing (Dortmund)

*Lecturers*

\*\*\*L. M. Chamuriho, BScEng (Dar), MSc (Illinois at Urbana-Champaign), PhD (Tokyo)  
\*\*\*R. S. Mlinga, BScEng (Dar), MSc (Birmingham), PhD (Cape Town)  
\*\*\*M. M. Samson, BScEng, MSc, PhD (Dar)  
H. Meleki, BScEng (Dar), MScEng (Brunswick), PhD (Brunswick)  
L. B. Bulamile, Adv. Dipl. BD (ARU), MArch (Copenhagen), MScEng (USA), PhD (Stockholm)  
F. Mohammed, MArch (Tokyo), PhD (Tokyo)

*Assistant Lecturers*

\*A. Mwambingu, BScEng, MScEng (Rostov)  
\*E. Matemba, BScEng, MScEng  
\*L. Kalenga, BScEng (Dar), MSc (Laurentian)  
J. Kessy, BScEng (Dar), MSc (Cape Town)  
E. Leo, BScEng (Dar), MSc (Cape Town)  
P. Holela, BScEng, MScEng (Dar)  
E. E. Moshi, BScEng, MScEng (Dar)  
R. Mahundi, BScEng, MScEng (Dar)  
\*D. Malyuta, BScEng (Dar), MScEng (Tennessee, USA)  
B. Lyakwipa, BArch (Dar), MScArch (Polytechnic. Italy)  
E. Mgumi, BArch, MArch (Russia)

S. B. Mwamanege, BArch (India), MScArch (Italy)  
F. A. Munishi, BScEng, MScEng (China)  
G. Felician, BSc, MSc (ARU)  
M. Makoye, BSc, MSc (ARU)

*Tutorial Assistants*

\*M. Kilumile, BScEng (Dar)  
\*M. Sisila, BArch (ARU)  
L. Kakuru, BArch (ARU)  
D. Msumba, BArch (ARU)  
C. Olomi, BArch (ARU)  
\*D. Augustino, BScEng (Dar)  
\*W. Mmari, BscEng (Dar)  
\*A. Titus, BscEng (Dar)  
\*Y. Mnyamba, BscEng (Dar)  
W. William, BscEng (Dar)  
\*R. Komba, BscEng (Dar)  
J. S. Ntyakunze, BSc (ARU)  
C. E. Kimaro, BArch (ARU)  
A. C. Behitsa, BArch (ARU)  
R. G. Sanga, BArch (ARU)  
S. S. Munisi, BArch (ARU)  
J. G. Emmanuel, BArch (ARU)

*Chief Technician*

M. Sariah, FTC, PTI (Germany)  
R. Y. Kavana, FTC, AdvDip (Dar)

*Principal Technician III*

Vacant

*Senior Technician*

R. Meta, FTC, BScIT, MIB (Dar)

*Principal Laboratory Assistant*

S. D. Swai, Mechanical Draughtsman Grade I, Civil Draughtsman Grade III

*Administrative Assistant II*

G. S. Kiwia, DipGenMan (UK)

**Department of Transportation and Geotechnical Engineering (TGE)**

*Senior Lecturer and Head*

E. N. Masaoe, BScEng (Dar), MSc (Strathclyde), PhD (Dar)

*Professor*

D. A. Mfinanga, BScEng (Dar), MSc (Miyazaki), PhD (Kyushu)

*Associate Professors*

N. K. M. Mushule, BScEng (Dar), MSc (Calgary), PhD (Dar)  
A. M. Dubi, Dip. Ing. (Sofia), PGD (Trondheim), DrIng (Trondheim)

*Senior Lecturers*

E. N. Masaoe, BScEng (Dar), MSc, PhD (Strathclyde)  
D. L. Nyaoro, BScEng (Dar), MSc, PhD (Imperial College)  
H. Bwire, BScEng, MSc, PhD (Dar)  
P. M. S. Bujulu, BScEng (Dar), MScEng (Hanover), PhD (Trondheim)

*Lecturer*

S.P. Rimoy, BScEng (Dar), MScEng, PhD (Imperial College)  
E. R. Edward BScEng, MSc (Dar), PhD (New Brunswick)

*Assistant Lecturers*

A. Lubida, BScEng (Dar), MSc (SUA)  
E. Fungo, BScEng, MSc (Dar)  
\*J. Ijumulana, BScEng, MSc (Netherlands)  
F. Mutabazi, BScEng, MSc (Dar)  
\*E. E. John, BScEng (Dar), MSc (Nottingham)  
J. S. Masiko, BScEng (Dar), MSc (Nottingham)  
\*E. Ruhazwe, BScEng (Dar) Meng  
\*J. E. Masaki, BScEng (Dar)

*Tutorial Assistants*

\*S. Makuti BSc (ARU)  
L Kato BSc (ARU)  
J Mango BSc (ARU)  
H Haule BScEng (Dar)  
\*M. Fortunatus BScEng (Dar)

*Laboratory Engineer I*

G. J. Nchimbi, BSc (Dar) MSc (ARU)  
R. H. Maganga BScEng (Dar) MSc (HE) (Dar)

*Laboratory Scientist I:*

S. A. Muneja BSc (Dar) MSc (ARU)

*Chief Technician*

B. Eshiwakwe  
M. M. Bisake

*Laboratory Technician II*

L. E. Mwiganege

*Senior Laboratory Assistant II*

Vacant

*OMS*

H. Msangi  
*Office Attendant I*  
K. R. Rwelamira



## **Department of Water Resources Engineering (WRE)**

### *Senior Lecturer and Head*

J. Nobert, BScEng (Dar), MSc, PhD (Yokohama)

### *Professors*

F. W. Mtalo, BScEng, MSc (Dar), Dr. Ing (Munich)  
A. W. Mayo, BScEng (Dar), MSc (Tampere), PhD (Tohoku)  
T. S. A. Mbwette, BScEng, MSc (Dar), PhD (London)

### *Associate Professor*

\*\*\*P. M. Ndomba, BScEng, M.Sc, PhD (Dar)

### *Senior Lecturers*

S. H. Mkhandi, BScEng (Dar), MSc (Galway), PhD (Dar)  
J. Norbert, BScEng (Dar), MSc, PhD (Yokohama)  
D. M. M. Mulungu, BScEng (Dar), MSc, PhD (Kyoto)  
R. J. Kimwaga, BScEng, MSc, PhD (Dar)

### *Lecturers*

P. Valimba, BScEng, MSc (Dar), PhD (Grahams Town)  
S. Munishi BScEng, MSc (Dar), PhD (Kwazulu Natal)

### *Assistant Lecturers*

\*A. Alexander, BSc, MSc (Dar)  
\*F. Izdori, BSc, MSc (Dar)  
\*N. Shija, BSc (Dar), MSc (Brunswick)  
J. O. Mtamba, BSc, MSc (Dar)

### *Tutorial Assistants*

E. N. Richard, BSc (Dar)  
F. Shagega, BSc (Dar)  
N. Kashaija, BSc. (ARU)  
\*C. Wambura, BSc. (Dar)

### *Principal Laboratory Engineer I*

A. L. Palangyo, PGD, MEM (Dar)

### *Principal Technician I*

C. Eugen  
A. S. Ullomi

### *Secretary III*

S. L. Mlingi

## **Department of Electrical Engineering**

### *Associate Professor and Head of Department*

B. M. M. Mwinyiwiwa, BSc (Dar), MEng (McGill), PhD (McGill)

### *Professors*

D. J. Chambega, MScEng (Moscow), PhD (Strathclyde)

### *Associate Professors*

B. M. M. Mwinyiwiwa, BSc (Dar), MEng (McGill), PhD (McGill)

### *Senior Lecturers*

M. J. Manyahi, BScEng (Dar), MSc (Strathclyde), PhD (Uppsala)  
A. L. Kyaruzi, BScEng (Dar), MScDSc (George Washington)  
B. J. Kundy, BScEng (Dar), MSc (Strathclyde), PhD (Stellenbosch)  
N. K. Lujara, BSc (Dar), MEng (McGill), DrIng (Rand Afrikaans)

### *Lecturers*

S. Kihwele, BScEng, MScEng (Dar), PhD (Yonsei)  
J. Justo, BScEng (Dar), PhD (Dongguk)  
F. Mwasilu, BScEng (Dar), PhD (Dongguk)

### *Assistant Lectures*

A. Thadei, BScEng (Dar), MScEng (Dar)  
A. Salimu, BScEng (Dar), MScEng (Dongguk)  
P. Makolo, BScEng (Dar), MScEng (Chalmers)  
R. Stephen, BScEng (VIIsvesvaraya), MScEng (Arkansas)  
H. Mkindu, BScEng (Wuhan), MSc (Dar)

### *Tutorial Assistants*

G. Mhagama, BScEng (Dar)  
M. Msukwa, BScEng (Dar)  
I. Mwammenywa, BScEng (Dar)  
O. Shabani, BScEng (Dar)  
J. Sisala, BScEng (Dar)  
\*I. Masenge, BScEng (Dar)  
F. Kapinga, BScEng (Dar)  
E. Petro, BScEng (Dar)  
\*A. Kahwa, BScEng (Dar)  
R. Myovela, BScEng (Dar)

### *Principal Technician*

S. A. Kyomo, FTC  
M. Mkwai, Ord. Dipl

## **Technology Development and Transfer Centre (TDTC)**

### *Senior Lecturer and Manager*

M. L. Raphael, BScEng (Dar), MSc (Texas A&M), PhD (Saskatchewan)

### *Lecturer and Deputy Manager (Technology Development)*

H. Meleki, BScEng (Dar), MScEng (Brunswick), PhD (Brunswick)

### *Lecturer and Deputy Manager (Technology Transfer)*

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

### *Acting Head of Workshop (TDTC)*

Y. S. Mohamedi

*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. MAmos, 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)

*Principal Laboratory Assistants I*

D. J. Gapi, CertPed (Germany), DTE (MIST)

*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

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\* On Study Leave

\*\*On Sabbatical Leave

\*\*\*On Leave of Absence/Secondment

**INTRODUCTION**

The College of Humanities has facilities in all departments to enable students to undertake advanced work and research under supervision for the MA. and PhD degrees of the University of Dar es Salaam.

MA. 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: Archaeology, Creative Arts, History, Foreign Languages and Linguistics, Literature, and Philosophy and Religious Studies.

**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 social reconstruction in Tanzania.
- c) To encourage an interdisciplinary approach and joint research among all the University’s social sciences departments.
- 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 MA. programmes by coursework and dissertation offered in the College last for 18 months. MA. programmes by thesis last for 24 months and PhD programmes by thesis last for three years.

**Eligibility for Admission into the MA Programmes**

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

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

MA. 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 dare s 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 MA degree will not be granted until the dissertation has been satisfactorily completed.

**Assessment**

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

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

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	Doctor of Philosophy (PhD) in History	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in History	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Archaeology	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Archaeology	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Heritage Management	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Heritage Management	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Fine Arts	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Fine Arts	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Music	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Music	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Theatre	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Theatre	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Linguistics	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Linguistics	Thesis	Part time	60 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Literature	Thesis	Fulltime	36 months	2,500,000 per year	4,020 per year
	Doctor of Philosophy (PhD) in Literature	Thesis	Part time	60 months	2,500,000 per year	4,020 per year

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	Master of Arts in History	Coursework and Dissertation	Fulltime	18 months	2,880,000	6,030
	Master of Arts in History	Thesis	Full time	24 months	3,350,000	8,040
	Master of Arts in Archaeology	Coursework and Dissertation	Fulltime	18 months	2,880,000	6,030
	Master of Arts in Archaeology	Thesis	Full time	24 months	3,350,000	8,040
	Master of Arts in Heritage Management	Coursework and Dissertation	Fulltime	18 months	2,880,000	6,030
	Master of Arts in Heritage Management	Thesis	Full time	24 months	3,350,000	8,040
	Master of Arts in Fine Arts	Coursework and Dissertation	Fulltime	18 months	2,880,000	6,030
	Master of Arts in Fine Arts	Thesis	Fulltime	24 months	3,350,000	8,040
	Master of Arts in Music	Coursework and Dissertation	Fulltime	18 months	2,880,000	6,030
	Master of Arts in Music	Thesis	Fulltime	24 months	3,350,000	8,040
	Master of Arts in Theatre	Coursework and Dissertation	Fulltime	18 months	2,880,000	6,030
	Master of Arts in Theatre	Thesis	Fulltime	24 months	3,350,000	8,040
	Master of Arts in Linguistics	Coursework and Dissertation	Fulltime	18 months	2,880,000	6,030
	Master of Arts in Linguistics	Thesis	Fulltime	24 months	3,350,000	8,040

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	Master of Arts in Literature	Coursework and Dissertation	Fulltime	18 months	2,880,000	6,030
	Master of Arts in Literature	Thesis	Fulltime	24 months	3,350,000	8,040
	Master of Arts in Ethics of Governance and Public Service	Coursework and Dissertation	Fulltime	18 months	2,880,000	6,030
	Master of Arts in Ethics of Governance and Public Service	Thesis	Fulltime	24 months	3,350,000	8,040

## DEPARTMENT OF ARCHAEOLOGY AND HERITAGE STUDIES

### MASTER OF ARTS IN ARCHAEOLOGY (MA. ARCHAEOLOGY)

#### Semester 1

##### Core Courses

Code	Course Title	Credits
AY 600	Archaeological Approaches	12
AY 601	Archaeological Methodology	12
AY 602	Development of Archaeological Theory	12

##### Optional Courses (choose two)

Code	Course Title	Credits
AY 606	Lithic Technology	12
AY 607	Ceramic Technology	12
AY 608	Metal Technology	12
HI 605	Theory of History	12
HI 606	Historiography of Africa	12

#### Semester 2

##### Core Courses

Code	Course Title	Credits
AY 603	Africa and the Emergence of Humankind	12
AY 604	Cultural Heritage Management	12
AY 605	The Emergence of Africa's Complex Sociocultures	12

**Optional Courses (choose two)**

Code	Course Title	Credits
AY 609	Architectural Technology	12
AY 610	Technologies of the Organic Materials	12
AY 611	Development of Archaeology in Tanzania	12
HI 612	Topics in Tanzania Environmental History	12
AY 699	Dissertation	60

**MASTER OF ARTS IN HERITAGE MANAGEMENT (MA. HERITAGE MANAGEMENT)****Semester 1****Core Courses**

Code	Course Title	Credits
AY 620	History of Heritage Conservation	12
AY 621	Theories and Principles Governing Management of Heritage Resources	12
AY 622	Cultural Heritage Laws and Legislations	12
AY 623	Cultural Heritages and their Related Policies	12

**Optional Courses**

Code	Course Title	Credits
AY 630	Managing Archaeological Sites	12
AY 632	Managing Archival Resources	12
AY 633	Cultural Heritage and Modernity	12
AY 635	Museology	12
AY 636	Heritage and the Public	12

**Semester 2****Core Courses**

Code	Course Title	Credits
AY 624	Heritage for Tourism	12
AY 625	Heritage Management and Conservation	12
AY 626	Cultural Heritage Impact Assessment (CHIA)	12
AY 627	Research Methodology	12

**Optional Courses**

Code	Course Title	Credits
AY 628	Themes in the Archaeology of Tanzania	12
AY 629	Managing Intangible Heritage	12
AY 631	Managing Museum Collections	12
AY 634	Natural Heritages and their Related Policies	12

AY 637	Geographic Information System in Archaeology	12
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**Compulsory Course****Semester 2**

Code	Course Title	Credits
AY 699	Dissertation	60

**DEPARTMENT OF HISTORY**

The Department of History offers the following postgraduate programme:

**MASTER OF ARTS IN HISTORY (MA. HISTORY)****Semester 1****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 (Students should choose two courses only)**

Code	Course Title	Credits
HI 610	African History and Allied Sciences	12
HI 612	Topics in Tanzania Environmental History	12
HI 614	Diseases and Healing in Africa: Late 19th Century to the Present	12

**Semester 2****Core Courses**

Code	Course Title	Credits
HI 609	Global Capitalism and Africa	12
HI 611	Colloquium on the Political Economy of Tanzania	12
HI 608	Preparation of History Research Proposals	12

**Optional Courses (students should choose two courses only)**

Code	Course Title	Credits
HI 610	African History and Allied Sciences	12
HI 613	History of Labour in Sub-Saharan Africa	12
AY 604	Cultural Heritage Management	12

**Semester 3**

Code	Course Title	Credits
HI 699	Dissertation	60

## DEPARTMENT OF CREATIVE ARTS

The Department of Creative offers three MA. programmes in the Arts: MA in Fine Arts, MA. in Music, and MA. in Theatre Arts. Note that courses in these programmes run throughout the academic year and hence each course weighs 24 credits.

### MASTER OF ARTS IN FINE ARTS (MA. FINE ARTS)

#### Core Courses

Code	Course Title	Credits
FA 600	Contemporary Trends and Movement in African Art: Form and Social Content	24
FA 601	Introduction to Graduate Studies in Art and Research Methodology	24
FA 602	Art Education	24
FA 699	Dissertation	60
<b>Total</b>		<b>132</b>

#### Optional Courses

Students are required to choose two optional courses from the following:

Code	Course Title	Credits
FA 603	Graphic Communication	24
FA 604	Studio Study	24
FA 605	Sculpture	24
FA 606	Industrial Design	24
FA 607	Mural Painting	24
FA 608	Traditional Methods and Techniques in Painting	24

### MASTER OF ARTS IN THEATRE ARTS (MA. THEATRE ARTS)

#### Core Courses

Code	Course Title	Credits
TA 600	Dramaturgy and Dramatic Literature	24
TA 601	Theory and History of Theatrical Forms	24
TA 602	Philosophy of Art and Art Criticism	24
TA 699	Dissertation	60
<b>Total</b>		<b>132</b>

#### Optional Courses

Students are required to choose two optional courses from the following:

Code	Course Title	Credits
TA 603	Advanced Acting and Directing	24
TA 604	Playwriting and Writing for the Theatre	24
TA 605	Dance and Choreography	24
TA 606	Design and Stage Craft	24
TA 607	Radio, Film and Television	24
TA 608	Speech and Stage Craft	24
TA 609	Traditional Forms and African Theatre and Drama	24
TA 610	Kiswahili Drama and Dramatic Literature	24

TA 611	Special Project	24
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### MASTER OF ARTS IN MUSIC (MA. MUSIC)

A student in this programme will choose one of the three areas of specializations: Music Education, Musical Style, or Philosophy of Music.

#### MUSIC EDUCATION

##### Core Courses

Code	Course Title	Units
MS 600	Methodology I and II	24
MS 603	The Music Culture	24
MS 606	Research Methodology	24
MS 699	Dissertation	60
<b>Total</b>		<b>132</b>

##### Optional Courses

Students are required to choose two optional courses from the following:

Code	Course Title	Units
MS 601	Introduction to Music Administration	24
MS 602	The Function of Music	24
MS 604	Musical Instruments	24
MS 605	Special Problems: Issues in African Musicology	24
MS 618	Music in Society	24
MS 620	The Musician in Society	24

#### MUSICAL STYLE

##### Core Courses

Code	Course Title	Units
MS 608	An Introduction to Musical Style	24
MS 606	Research Methodology	24
MS 603	The Music Culture	24
MS 699	Dissertation	60
<b>Total</b>		<b>132</b>

##### Optional Courses

Students are required to choose two optional courses from the following:

Code	Course Title	Units
MS 604	Musical Instruments	24
MS 605	Special Problems: Issues in African Musicology	24
MS 609	History of Musical Style	24
MS 619	Criticism and Analysis	24
MS 611	Comparative Style	24
MS 612	An Introduction to Performance Practice	24
MS 620	The Musician in Society	24

##### Additional Courses

Code	Course Title	Units
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MS 602	The Function of Music	24
MS 613	Performance Practices	24
MS 614	Special Studies in Performance Practices	24
MS 615	Comparative Practice	24
MS 616	History of Performance Practice	24

## PHILOSOPHY OF MUSIC

### Core Courses

Code	Course Title	Units
MS 617	Philosophy of Music	24
MS 606	Research Methodology	24
MS 603	The Music Culture	24
MS 699	Dissertation	60
<b>Total</b>		<b>132</b>

### Optional Courses

Code	Course Title	Units
MS 605	Special Problems: Issues in African Musicology	24
MS 618	Music in Society	24
MS 619	Music, Song and Dance	24
MS 620	The Musician in Society	24
MS 621	Music in Eastern Society	24
MS 622	Music in Western Society	24

## DEPARTMENT OF LITERATURE

The Department of Literature offers postgraduate programmes leading to the award of Master of Arts in Literature (MA. (Lit.)) and Doctor of Philosophy, (PhD). The MA. (Lit.) 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 (MA. LITERATURE)

#### Course Structure for the MA. Coursework and Dissertation Programme

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.

#### 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
LT 699	Dissertation	60

### Optional Courses

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

#### Semester 2

##### Core Courses

Code	Course Title	Credits
LT 617	Folklore Literature	12
LT 618	Postcolonial Literature	12
LT 616	Research Methods	12
LT 620	Sociology of Literature	12

### Optional Courses

LT 600	Drama and Dramatugical Literature	12
LT 613	Prisons and Exile Literature	12

## DEPARTMENT OF PHILOSOPHY AND RELIGIOUS STUDIES

### MASTER OF ARTS IN ETHICS OF GOVERNANCE AND PUBLIC SERVICE (MA. 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 an MA 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.

#### Semester 1

##### 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 (Students can choose one)

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 624	Political Thought for Development	12
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## Semester 2

### 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 (a student can choose one)

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 625	Globalization and Development	12

### Compulsory

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 (MA. Linguistics), and Doctor of Philosophy in Linguistics (PhD Linguistics). The MA. 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 (MA. LINGUISTICS)

#### Admission Requirements

For MA. 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 MA. in Linguistics programme by thesis, a candidate must have at least an upper second degree in the relevant field.

## STREAM A

### 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

Choose two of the following 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

Choose two of the following courses

Code	Course Title	Credits
ML 646	Stylistics	12
ML 648	Linguistics Field Methods	12
ML 649	Postgraduate Seminar	12
ML 651	Discourse Analysis	12
ML 638	Lexicography	12
ML 636	Sociolinguistics of International Languages	12

#### Compulsory

Code	Course Title	Credits
ML 699	Dissertation	60

## STREAM B

### Semester 1

#### Core Courses

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



ML 633	Advanced Syntax	12
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### Optional Courses

Choose two of the following 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

### Semester 2

#### 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

Choose two of the following courses

Code	Course Title	Credits
ML 645	Language Assessment and Evaluation	12
ML 646	Stylistics	12
ML 649	Postgraduate Seminar	12
ML 651	Discourse Analysis	12
ML 638	Lexicography	12
ML 636	Sociolinguistics of International Languages	12

### Compulsory

Code	Course Title	Credits
ML 699	Dissertation	60

### CoHU STAFF LIST

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**Department of Archaeology and Heritage Studies**

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*Senior Lecturers*

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P. M. Bushozi, BA, MA (Dar), PhD (Alberta)

*Lecturers*

C. Saanane, BA (Dar), MA (Rutgers), PhD (Johann Wolfgang Goethe)  
E. C. Lyaya, BA, MA (Dar), PhD (College of London)  
T. J. Biginagwa, BA, MA (Dar), PhD (York)  
E. Mjema, BA, MA (Dar), PhD (Frankfurt)  
E. Ichumbaki, BA, MA, PhD (Dar)  
N. Lwoga, BA (Makerere), MA (Dar), MA (OUT), PhD (Dar)

*Assistant Lecturers*

\* F. Maselle, BA, MA (Dar)  
\* P. Makarius, BA, MA (Dar)  
S. Musa, BA, MA (Dar)  
R. Bigambo, BA, MA (Dar)

*Tutorial Assistant*

M. Bundala, BA (Dar)

**Department of Philosophy and Religious Studies**

*Lecturer and Ag. Head*

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*Professor*

H. Lauer, BA (New York), BA (Ghana), MA, PhD (New York)

*Lecturers*

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A. S. Mihanjo, BA (Philippines), MA, PhD (St. Thomas, Philippines)  
E. Magoti, BA, MA (Louvain), PhD (Birmingham)

*Assistant Lecturers*

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M. F. Lyakurwa, BA (Urbaniana, Rome), MA (Dar)  
J. Ishengoma, BA (Urbanian), MA (Catholic University of Paris)

*Tutorial Assistants*

I. A. Khamisi, BA (Dar)  
J. J. Coy, BA (Jordan)  
P. J. Komu, BA (Jordan)

**Centre for Communication Studies**

*Senior Lecturer and Director*

MA. Kibogoya, BAEd, (Dar), MA, PhD (Lancaster)  
*Associate Professor*  
 MA. S. Qorro, BA (Dar), MA (Bangor), PhD (Dar)

*Senior Lecturers*

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 MA. Kibogoya, BAEd, (Dar), MA, PhD (Lancaster)

*Assistant Lecturers*

\*P. C. Mdukula BEd (Dar), MA (Dar)  
 \*Z. Saul, BA (Dar)  
 Z. R. Geuza BA (Dar), Msc. (Moi)  
 \*P. Joseph, BAEd (Dar)  
 \*M. Karani  
 G. NJiro, BAEd (Dar), MA (Dar)  
 J. Olomy, BAEd (Dar), MA (Dar)

*Tutorial Assistant*

G. Seruhere, BA (Makerere), MA (Bristol)  
 F. Mulinda BAEd (Dar)  
 R. Milambo BA (Dar)  
 \*J. Msuya BA (Dar)

\*On Study Leave

\*\*On Sabbatical Leave

\*\*\* On Leave of Absence/Secondment

**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**

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	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	8,040
	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	8,040
	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

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	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	6,030
	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

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	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 (20 Credits)

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

#### Elective 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 Bachelors 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
IS 601	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

#### Elective Courses (at least 36 Credits)

Code	Course Title	Units
IS 641	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 fulltime students and up to 48 months for parttime students

**Assessment:**

**Coursework:** 50%  
**Final examination:** 50%  
**Dissertation:** 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 a recognized university

**Duration:** The duration for this programme is three years for fulltime candidates and five years for parttime candidates

**Assessment:** PhD 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 Qualifications:** 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

#### Elective 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
EM 602	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

#### Elective 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

##### 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 fulltime students and up to 48 months for parttime students

**Assessment:** MSc. Thesis Pass/Fail

### DOCTOR OF PHILOSOPHY (PhD)

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:** PhD Thesis Pass/Fail  
Kindly note that PhD 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*

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*Professor*

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

*Lecturers*

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

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

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

F. Simba BCompSc, MSc, PhD (Dar)

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J. Mbelwa, BSc CompSc, MSc (Dar)

W. Senyoni, BSc CompSc, MSc (Dar)

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H. Kalisti, BScCompSc (Dar), MSc (Sweden)

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B. Mbwilo, BScCEngIT, MSc (Dar)

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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)

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\*A. M. Rashid, MScCEngNet (Wroclaw Tech.), Licenciate CEngS (Sweden)

\*C. Joseph, BCompSc (Dar), MScCISEng (Wuhan)

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\*A. Rwegasira, BCompSc, MSc (Dar)

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\*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*

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M. Marcelino, BScCEngIT(Dar)

L. Mkonyi, BscCompSc (Dar)

K. Mbwilo, BscCompSc (Dar)

\*\*\*M. L. Goyayi, BCompSc (Dar), MBA (Dar)

*Technical Staff*

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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 (Ryukyuu, 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. Mkocho, 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), HPIInst (Taiwan)

### *Administrative Staff*

H. Hyera, CertSS (TPSC), *Office Management Secretary III*  
A. Hussein, Office Attendant I

### **Centre for Virtual Learning**

#### *Lecturer and Director*

J. S. Mtebe, BSc. Comp. Sc (Dar), MSc. (Queensland), PhD (Tampere)

#### *Lecturer*

J. S. Mtebe, BSc. Comp. Sc (Dar), MSc. (Queensland), PhD (Tampere )

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\*M. Munaku, BSc. CompSc (Dar), MSc. (Queensland)

#### *Technical Staff*

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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, Dipl Arts (Bagamoyo), BA (Dar), PGD-SC (Dar), MA(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)  
S. J. Pombe, Dipl. Comp. Sc (Melbourne), Bsc. IT (India).  
J. Rweyongeza, Dipl. Comp. Sc (Melbourne), Bsc. IT (India)  
Z. Musabalala, FTC Elect & Telecom Eng., B. Eng. Elect & Telecom. (DIT), MEM (Dar)

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\*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:

1. Botany
2. Chemistry
3. Geology
4. Physics
5. Mathematics
6. Molecular Biology & Biotechnology
7. 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:

1. Postgraduate Diploma
2. Master of Science by coursework and dissertation
3. Master of Science by thesis
4. Doctor of Philosophy (PhD) by coursework and dissertation
5. Doctor of Philosophy (PhD) by thesis.

**POSTGRADUATE PROGRAMMES OFFERED BY CoNAS**

The following postgraduate programmes are offered by CoNAS:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	Postgraduate Diploma in Scientific Computing (PGDSC)	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

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	Master of Science with Education	Coursework and Dissertation	Fulltime	24 months	4,250,000	8,040
	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

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	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
	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: 1<sup>st</sup> April and 1<sup>st</sup> 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 stand 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	
MT 511	Systems Software	12	
MT 521	Data Communication and Networking	12	
MT 531	Data Management	12	
MT 541	Computer Graphics	12	
MT 551	Systems Analysis and Design	12	
MT 561	Advanced Computer Graphics	12	

<b>Courses in Area 2: Computer Programming</b>		<b>Total 60 Credits</b>
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
MT 512	Program Design	12
MT 522	Programming with C++	12
MT 532	Advanced Programming with C++	12
MT 542	Programming in Pascal	12
MT 552	Programming in Cobol	12

<b>Courses in Area 3: Mathematics</b>		<b>Total 80 Credits</b>
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
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

<b>Courses in Area 4: Business</b>		<b>Total 32 Credits</b>
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
MT 514	Human Communication and Information Systems	16
MT 524	Accountancy	8
MT 534	Business Environment	8

<b>Courses in Area 5: Computer Applications</b>		<b>Total 24 Credits</b>
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
MT 515	Computer Applications I	12
MT 525	Computer Applications II	12
MT 557	Network and System Management in NT environment	8
MT 558	Network design and administration in Linux Environment	8
MT 559	Management and Exploitation of Network Resources	8
MT 560	Computer Aided Administration	8

<b>Courses in Area 6: Expert Systems</b>		<b>Total 72 Credits</b>
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
MT 516	Concepts of CAD/CAM	12

MT 526	Business Computer Applications	20
MT 536	Scheduling	8
MT 545	Dynamic Databases	8
MT 556	Computational Linguistics	12
MT 566	Knowledge-Based Systems	12

<b>Course in Area 7: Final project</b>		<b>Total 24 Credits</b>
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
MT 517	Project	24

### Part I: Core Courses for All

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

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
MT 514	Human Communication and Information System	16
MT 512	Program Design	12
MT 511	Systems Software	12
MT 521	Data Communication and Networking	12
MT 531	Data Management	12
MT 515	Computer Applications I	12
	<b>Total</b>	<b>76</b>

### Part II: Core Courses per Specialization:

#### Group I: Scientist I

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
MT 524	Accountancy	8
MT 534	Business Environment	8
MT 516	Concepts of CAD/CAM	12
MT 553	Computational techniques I	16
	<b>Total</b>	<b>44</b>

#### Group II: Scientist II

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
MT 524	Accountancy	8
MT 533	Biostatistics	16
MT 534	Business Environment	8
MT 566	Knowledge-based Systems	12
	<b>Total</b>	<b>44</b>

#### Group III: Business Graduates

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
MT 513	Mathematics	12

MT 523	Statistics and Probability	12
MT 526	Business Computer Applications	20
	<b>Total</b>	<b>44</b>

**Group IV: Liberal Artists**

Code	Course Title	Credits
MT 524	Accountancy	8
MT 536	Scheduling	8
MT 534	Business Environment	8
MT 541	Computer Graphics	20
	<b>Total</b>	<b>44</b>

**Group V: Lawyers**

Code	Course Title	Credits
MT 524	Accountancy	8
MT 534	Business Environment	8
MT 525	Computer Applications II	12
MT 536	Scheduling	8
MT 546	Dynamic Databases	8
	<b>Total</b>	<b>44</b>

**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
MT 522	Programming in C++	12
MT 532	Advanced Programming in C++	12
MT 558	Network design & Administration in Linux Environment	8
MT 542	Programming in Pascal	12
MT 552	Programming in COBOL	12
MT 551	Systems Analysis and Design	12
MT 541	Computer Graphics	12
MT 563	Computational techniques II	12
MT 543	Quantitative methods	12
MT 561	Advanced Computer graphics	12
MT 566	Knowledge Based Systems	12
MT 557	Network Systems Management in NT Environment	8
MT 559	Management & Exploitation of Network Resources	8
MT 560	Computer Aided Administration	8

**Part IV: Project**

Code	Course Title	Credits
MT 517	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
	<b>Total</b>	<b>180</b>

**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.

**1.0 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 fulltime 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 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.
- 2.8 Once it finds the proposal satisfactory, the College HDRP Committee will approve it and notify the Senate Postgraduate Studies Committee (SPSC).
- 2.9 Maximum period for the registration process is six months. Candidates will pay TZS 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 HDRP Committee. 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 Candidate who fails to complete studies within specified period shall be discontinued, unless Senate has approved application for extension.

#### **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 second class 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 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 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 University 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.

#### **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	1
BL 607	Biostatistics	12	
BL 617	Molecular Biology	12	
SC 601	Advanced Research Methods	12	2
BL 662	Biological methods and techniques	12	
	<b>Total</b>	<b>60</b>	

#### Core Courses for Entomology And Parasitology Stream

Code	Course Title	Credits	Semester
ZL 616	Insect Ecology, Pest and Vector Management	12	1
ZL 604	Protozoology and Helminthology	12	

#### Optional Courses for Entomology And Parasitology Stream

Code	Course Title	Credits	Semester
ZL 617	Insect Physiology	12	1
ZL 618	Immunology of Parasitic Infection	12	
ZL 618	Immunology	12	
ZL 623	Molecular Biology of Parasites	12	
ZL 619	Biology and control of Non-Insect Pests	12	2
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	1
ZL 612	Animal Reproductive Physiology	12	

#### Optional Courses for Applied Physiology Stream

Code	Course Title	Credits	Semester
ZL 610	Metabolism and Bioenergetics	12	1
ZL 624	Neuroendocrinology and Behaviour	12	
ZL 625	Physiology and Biochemistry of Nutrition	12	
ZL 626	Biochemical Toxicology	12	
ZL 614	Reproductive Endocrinology	12	2
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	1 & 2

#### 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	1
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	2
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	
	<b>Total</b>	<b>96</b>	



**Optional courses**

Code	Course Title	Credits	Semester
BC 605	Biodiversity of Inhabited Areas	8	1
BC 606	Ethno-biology and Conservation	8	
*DE 628	Population Resources and Environment	12	
BC 612	Legislation and Policies in Biodiversity Conservation	8	2
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	1 & 2

**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 fulltime 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	1
BT 608	Plant Propagation	12	
BT 609	Applied Ecology and Management of Ecosystems	12	
SC 601	Advanced Research Methods	12	2
BT 603	Seaweed Culture and Processing	12	
BT 604	Applied Plant Genetics	12	
BT 605	Plant Protection	12	
BT 608	Plant Propagation	12	
	<b>Total</b>	<b>96</b>	

**Optional Courses**

Code	Course Title	Credits	Semester
BT 607	Ecophysiology	12	1
BT 612	Plant Biochemistry	12	
BC 602	Conservation of Plant Diversity	12	
BC 612	Legislation and Policies in Biodiversity Conservation	8	2
BL 617	Molecular Biology	12	
BT 610	Ethnobotany	12	
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	1 & 2

## MASTER OF SCIENCE IN APPLIED SCIENCE OF MATERIALS

### Programme Description

The overall goal of the revised 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	1
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	2
*SC 601	Advanced Research Methods	12	
CH 620	Good Laboratory Practice and Quality Assurance	12	
	<b>Total</b>	<b>72</b>	

#### Optional Courses

Code	Course Title	Credits	Semester
CH 610	Surface and Colloid Chemistry	8	1
*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	2
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	1 & 2

\* 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	1
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	2
PH 618	Condensed Matter Physics	12	
PH 619	Nuclear Physics and Instrumentation	12	
	<b>Total</b>	<b>96</b>	

### Electives: Choose at least 24 Credits from one of the streams

#### Stream (a)

Code	Course Title	Credits	Semester
PH 620	Aerosol Physics	12	2
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	2
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	2
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	2
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
1	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
	<b>TOTAL</b>		
2	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
	<b>TOTAL</b>		

**Electives Courses**

CODE CourseTitle	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
1	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
	<b>Total</b>		

2	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)	2	12

**Year 2: Dissertation**

Code	Course Title	Credits	Semester
MT 699	Dissertation	60	1 & 2

**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	1
CH 609	Chemical Speciation	8	
CH 606	Coordination Chemistry	12	
CH 607	Advanced Physical Organic Chemistry	12	
CH 608	Advances in Organic Synthesis	12	
CH 630	Advanced Analytical Chemistry and Instrumentation	12	2
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 years fulltime programme comprising of coursework 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	1
BL 617	Molecular Biology	12	
BN 601	Bioethics	12	2
BL 608	Bioinformatics	12	
SC 601	Advanced Research Methods	12	
	<b>Total</b>	<b>60</b>	

#### Core Courses for Industrial and Food Biochemistry Stream

Course Code	Course Title	Credits	Semester
MC 601	Microbial Biochemistry	12	
CH 659	Food and Nutrition Biochemistry	12	
ZL 625	Physiology and Biochemistry of Nutrition	12	
	<b>Total</b>	<b>36</b>	

#### Core Courses for Environmental and Agricultural Biochemistry Stream

Course Code	Course Title	Credits	Semester
ZL 626	Biochemical Toxicology	12	1
BT 612	Plant Biochemistry	12	
BN 604	Recombinant Genetic Biotechnology	12	2

	Total	36	
<b>Common Optional Courses</b>			
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 ones 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.

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 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 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	1
EP 604	Theories of Teaching and Learning	24	
CT 605	Computer Assisted Learning	24	2
	<b>Total</b>	<b>72</b>	

##### Elective Courses

Code	Course Title	Credits	Semester
CT 600	Curriculum and Teaching*	24	1
CT 603	Professional Development in SMT*	24	
CT 604	Assessment of performance in SMT*	24	2
EA 607	Management of Education Systems* and Institutions	24	

#### Biology Stream

##### Core Courses

Code	Course Title	Credits	Credits
ZL 604	Protozoology and Helminthology	12	1
BL 617	Molecular Biology	12	
BL 661	Advanced Genetics	12	
BL 662	Biological methods and techniques	12	2
BL 607	Biostatistics	12	
BL 663	Advanced Physiology	12	

BL 699	Dissertation	72	
	<b>Total</b>	<b>144</b>	

#### Elective 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	1
CH 619	Physical Chemistry	12	
CH 630	Advanced Analytical Chemistry and Instrumentation	12	2
CH 618	Structure, Properties and Applications of Polymers	12	
CH 651	Chemistry of Biomolecules	12	
CH 699	Dissertation	72	1 & 2
	<b>Total</b>	<b>132</b>	

##### Elective 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	1
MT 662	Techniques in Operations Research	12	

MT 602	Numerical Analysis	12	2
MT 605	Advanced Linear Algebra	12	
MT 663	Ordinary Differential Equations I	12	
MT 699	Dissertation	72	
<b>Total Core Units</b>		<b>132</b>	

#### Elective 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	1
PH 613	Electronics	12	
PH 617	Quantum mechanics	12	
PH 618	Condensed Matter Physics	12	2
PH 619	Nuclear Physics and instrumentation	12	
PH 699	Dissertation	72	
<b>Total Core Units</b>		<b>132</b>	

#### Elective 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	1
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	
GY 607	Seismic data Interpretation	12	2
GY 608	Scientific Writing	12	
GY 609	Petroleum Structural Geology	12	
<b>Total</b>		<b>96</b>	

#### Optional Courses

Course Code	Course Title	Credits	Semester
GY 604	Gravity, Magnetic and Remote Sensing Methods	12	1
GY 605	Petroleum Geochemistry	12	
IEM 601	Environmental pollution prevention and control	12	
GY 610	Petroleum Production	12	2
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

1. MSc. (Applied Microbiology)
2. MSc. (Applied Zoology)
3. MSc. (Biotechnology)
4. MSc. (Botany)
5. MSc. (Molecular Biology)
6. MSc. (Mathematics)
7. MSc. (Physics)
8. MSc. (Chemistry)
9. MSc. (Geology)
10. MSc. (Zoology)
11. MSc. (Wildlife Ecology)

## DOCTOR OF PHILOSOPHY (PhD) PROGRAMMES

All departments offer PhD programmes by Thesis.

### DOCTOR OF PHILOSOPHY (PhD) BY THESIS

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

#### 1.0 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 PhD registration after initially registering for the Masters Degree (Thesis), and demonstrating outstanding performance after doing postgraduate training for at least one year, upon recommendations of the HDRPC and authorization by Senate.

#### 2.0 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 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 is running 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 is comprised of three streams namely:

Biological Sciences  
Physical Sciences  
Environmental Modelling

The minimum number of credits for graduation will be 540, of these, 270 will be for coursework and 270 for dissertation. Of the coursework credits, a total of 120 will be from common core courses

designed for all streams, 48 credits from core courses set special for each stream and 102 or more credits opted from the list of common electives, other stream core courses and/or other relevant PhD programmes upon approval by CoNAS.

#### Common Core Courses

Course Code	Course Title	Credits
EV 700	Earth Systems Science	24
EV 701	Environmental Degradation and Conservation	24
EV 702	Advanced Statistics and Research Methods	24
EV 703	Environmental safety and policy	24
EV 704	Environmental Law and Policy	24
EV 799	Dissertation	270

#### Core Courses for each Stream

##### (i) Core Courses for Biological Sciences

EV 705:	Environmental Bioremediation	24
EV 706:	Environmental Toxicology	24

##### (ii) Core courses for Physical Science

EV 707	Meteorology and Air Quality Models	24
EV 708	Environmental Isotope Hydrology	24

##### (iii) Core courses for Environmental Modelling

EV 709	Environmental Mathematical Modelling	24
EV 710	Dynamical Systems	24

#### Common Elective courses

EV 711	Climate Change and the Environment	24
EV 712	Environmental Hazards and Management	24
EV 713	Numerical Solutions of Differential Equations	24
EV 714	Mathematical Statistics	24
EV 715	Stress Physiology	24
EV 716	Environmental Restoration	24
EV 717	Soil and Aquatic Chemistry	24
EV 718	Methods of Environmental Chemical Analysis	24
EV 719	Earth and Atmospheric Sciences	24
EV 720	Fluid Dynamics in the Environment	24
EV 721	Environmental Economics and Accounting	24
EV 722	Water Resources and Soil Management	24



EV 723	Energy Resources and the Environment	24
EV 724	Stochastic Processes	24

### PhD IN MATHEMATICS

The programme runs on a fulltime basis for a period of 4 years. Coursework is for one year and the dissertation (research part) for three years. Minimum credits required is 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
<b>Semester 1</b>	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
		<b>Total</b>		<b>90</b>
<b>Semester 2</b>	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
		<b>Total</b>		<b>90</b>

#### Electives 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
<b>Semester 1</b>	MT 701	Measure Theory and Integration	Core	18
	MT 702	Advanced Functional Analysis	Core	18
	MT 761	Applied Optimization	Core	18
		Elective		18
		Elective		18
		<b>Total</b>		<b>90</b>
<b>Semester 2</b>	MT 703	Partial Differential Equations	Core	18
	MT 746	Numerical Solutions to Differential Equations	Core	18
	MT 741	Stochastic Processes	Core	18
		Elective		18
		Elective		18
		<b>Total</b>		<b>90</b>

**Table: Electives for Applied Mathematics Stream**

S/N	Code	Title	Credits
1	MT 705	Techniques of 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
<b>Semester 1</b>	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
		<b>Total</b>		<b>90</b>

<b>Semester 2</b>	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
		<b>Total</b>		<b>90</b>

**Table:** Electives 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 ELECTIVES 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

##### Electives for Genomics and Bioinformatics stream

Course Code	Title	Credits
BN 708	Biogeography and Population genetics	20
BN 709	R in Bioinformatics	20

##### 1. 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

##### Electives for Biomedical Sciences stream

##### 3. MOLECULAR MICROBIOLOGY STREAM

###### Core courses and Electives 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

##### Electives for Microbiology stream

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

**Common electives courses for all stream**

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

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H. J. Ndangalasi, DipEd (Dar CNE), BScEd, MSc, PhD (Dar)

*Professors*

F. F. Banyikwa, BSc PhD (Dar),

*Associate Professors*

H. V. M. Lyaruu, BSc (Dar), MSc (Addis), PhD (Uppsala)

A. M. S. Nyomora, BSc, MSc (Dar), PhD (California)

*Senior Lecturers*

C. Mligo, BScEd, MSc, PhD (Dar)

*Lecturers*

F. I. Tibazarwa, BScEd, MSc (Dar), PhD (Nijmegen)

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

E. F. Mvungi BSc, MSc (Dar), PhD (Stockholm)

G. Frederk, BScEd, MSc, PhD (Dar)

G. Sangu, BScEd, MSc, PhD (Dar)

H. M. Mangosongo, BScEd (Dar), MSc (Kent), PhD (Dar)

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)

*Assistant Lecturers*E. Sangu, BScEd, MSc (Dar)

I. Yangaza BSc (Dar)

*Chief Technician*

F. Mbago, Cert.For (Olotonyi), Int.Dip. in Herbarium Techniques (RBG Kew, UK). Cert in Herbarium Curation (MSB, USA)

*Principal Technician II*

C. Kweyunga, Higher Diploma (C&amp;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, Dar)

*Laboratory Technician I*

B. A. Manumbu, Laboratory Techniques (DIT, Dar)

W. K. Kalugasha Laboratory Techniques (DIT, Dar)

*Laboratory Assistant II*

B. Haule, Laboratory Techniques (VETA, Dar)

**Chemistry Department**

*Lecturer and Head*

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

*Professors*

D. M. S. Moshia, BSc, MSc (Dar), PhD (Liverpool)

O. C. Othman, BScEd, MSc, PhD (Dar)

*Associate Professors*

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

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

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

L. L. Mkayula, BScEd, MSc (Dar), PhD (Salford)

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

\*\*\*E. B. Mubofu, BScEd, MSc (Dar), DPhil (York)

*Senior Lecturers*

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

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

S. J. M. Mdachi, DipEd (Mkwawa), BScEd, (Dar), MSc, PhD (Oslo)

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

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

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

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

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

*Lecturers*

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

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

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

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

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

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

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

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

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

*Assistant Lecturers*

\*N. Komba, DipEd (Monduli), BScEd, MSc (Dar)

\*E. C. Mapunda, DipEd (Morogoro), BScEd, MSc (Dar)

\*F. Jacob, BScEd (Dar), MSc (AIST-Abuja)

G. Deogratus, BScEd, MSc (Dar)

M. Makungu, BScEd (DUCE), MSc (Nairobi)

\*G.B. Shombe, BScChem, MSc (Dar)

*Tutorial Assistant*

\*E. Xwaymay, BScChem (Dar)

\*H. Kahimbi, BScEd (MUCE)

\*N.A. Kasimu, BScEd (Dar)

*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. Ilomo, DipEd (Mkwawa), BSc, MSc (Dar)

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*Principal Laboratory Scientist*

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*Laboratory Scientist I*

P. Godfrey, BScEd (Dar)

\*R. Irunde, BScEd, MSc (Dar)

*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*

MA. H. Maboko, BSc, MSc (Dar), PhD (ANU)

J. R. Ikingura, BSc (Dar), MSc, PhD (Carleton)

*Associate Professors*

\*\*\*A. H. Mruma, BSc, MSc, PhD (Dar)

E. I. Mbede, BSc (Dar), MSc DIC (London), Dr. rer. nat. (TU, Berlin)

H. H. Nkotagu, BSc (Dar), MSc (London), MPhil, Dr. rer. nat. (TU, Berlin)

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

*Senior Lecturers*

C. P. Kinabo, BSc (Dar), MScDIC (London), Dr.Ing. (Clausthal)

C. Z. Kaaya, BSc, MSc (Dar), Dr. rer. nat. (Cologne)

I. M. Marobhe, BSc (Dar), MScDIC (London), DipGeo (ITC, Delft), DTech (TU, Helsinki)

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

*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)

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

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

*Assistant Lecturers*

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

\*O. Saitabau, BSc (Dar), MSc (LMU, TUM)

K. Lupogo, BSc (Dar), MSc (Delft)

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

\*S. R. Melchiori, BScEng, MSc (Rorkee)

\*R. J. Massawe, BSc (Dar), MSc (Acadia)

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

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

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

*Tutorial Assistants*

E. Abdalla, BSc (Dar), MSc (UNESCO-IHE)

C. John, BSc (Dar)

C. Lugangizya, BSc (Dar)

N. D. Kobare, BSc (UDOM)

S. Magohe, BSc (Dar)

\*M.C. Moshi, BSc (Dar)

*Chief Laboratory Scientist*

J. K. Mujumba, BSc (Dar), MSc (La Trobe), PhD (Dar)

*Principal Laboratory Scientist II*

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*Senior Laboratory Scientist I*

C. Messo, BSc, MSc (Dar), PhD (Okoyama)

\*S. Ngassala, BSc, MSc (Dar)

*Chief Technician*

MA. M. Songo, FTC (Dar), BSc (OUT, Dar), MSc (Dar)

*Technician II*

\*J. Edmund, DipScLabTech (DIT)

A. Haule, FTC (MRI, Dodoma), BSc (Dar)

**Department of Mathematics**

*Associate Professor and Head*

E.W. Mureithi, BEd (Maths), MSc. (Kenyatta, Kenya), PhD (New South Wales, Australia)

*Professors*

R.W. Masenge

*Associate Professors*

A.R. Mushi, BScEd (Dar), MMS (UCD, Dublin), PhD (DCU, Dublin)

E.S. Massawe, BScEd (Dar), MSc, PhD (Dublin)

S. Kumar, BSc (Gen) (Agra, India), MSc. (Agra, India), PhD (Aligarh Muslim Univ., India)

*Senior Lecturers*

C.B. Alphonse, BScEd, MSc (Dar), PhD (UCD, Dublin)

\*\*\*W.M. Charles, BScEd (Dar), MSc (Zimbabwe), PhD (Tu Delft, The Netherlands)

E. Mujuni, BSc (Dar), MSc (Zimbabwe), PhD (Dar)

N. Shaban, BEd (Sc.), MSc, PhD (Dar)

S.E. Rugeihyamu, BScEd (Dar), DipMath, MSc (Dublin), PhD (Cork)

*Lecturers (PhD)*

G.K. Kakiko, BEd (Dar), DipMath, MSc, PhD (Dublin)

M. Mwanzalima, BScEd (Dar), MMath (Makerere), PhD (Dar)

H. Rwezaula, BScEd, MSc (Dar), PhD (Dublin)

T. Marijani, BSc (Dar), MSc (Stellenbosch), PhD (Stellenbosch)

\*\*S. Isambi, BSc (Dar), MSc (LUT, Finland), PhD (LUT, Finland)

S. Sima, BScEd, MSc (Dar), PhD (Witwatersrand, South Africa)

D. Koloseni, BScEd, MSc (Dar), PhD (LUT, Finland)

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

M. Mkandawile, BScEd (Makerere), MSc (Dar), PhD (Dar)

M. Rashid, BSc, MSc (Dar), PhD (Dar)

G. Mlay, BScEd(Dar), MSc (LUT, Finland), PhD (NMAIST)

J. Makungu, BSc(Dar), MSc (LUT, Finland), PhD (NMAIST)

I. Amour, BScEd(Dar), MSc (LUT, Finland), PhD (LUT, Finland)

*Assistant Lecturers*

\*A. Isdory, BScEd (Dar), MSc (Zimbabwe)

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

\*E. Evarist, BScEd, MSc (Dar)

W. Levens BScEd, MSc (Dar)

\*J. Andongwisye, BScEd, MSc (Dar)

S. Suleiman BScEd, MSc (Dar)

\*U. Ngulo, BSc(Ed), MSc (Dar)  
D. Kabuche, BScAct (Dar), MSc (Aberdeen, UK)  
L. Shilingi, BSc Act (Dar), MSc. (India)  
A. Mandia, BScAct (Dar), MSc. (India)

*Tutorial Assistants*

\*Salvatory Kessy, BSc (Actuarial) (Dar), Structured MSc (AIMS)  
\*E. Mrema, Bed (DUCE)  
\*I. Maduhu, BScAct (Dar)

*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**

*Professor and Head*

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

*Professors*

A. K. Kivaisi, BSc (Dar), MSc (Stockholm, Sweden), PhD (Dar)  
G. Y. S. Mtui, BSc (Dar), MSc, PhD (Kanazawa, Japan)

*Associate Professors*

F. S. S. Magingo, BSc (Ed.), MSc, PhD (Dar)  
T. J. Lyimo, BSc, MSc, PhD (Dar)  
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)  
G. E. Temu, BSc, MSc, PhD (Dar)  
A. Mahadhy, BSc (Dar), MSc, PhD (Lund, Sweden)  
M.D. Nkundu BSc, MSc (Dar), PhD (Braunschweig, Germany)

*Assistant Lecturers*

\*C. B. Mpinda BSc (Dar), MSc (MUHAS)  
\*S. Hamad, BSc, MSc (Dar)  
\* J. H. Mahamoud B.Sc, MSc (Dar)  
\*F. N. Mpenda BSc (Dar), MSc (NMIST)  
\*A. D. Mwakilili, B.Sc, MSc (Dar)

*Tutorial Assistant*

\*H. H. Myovela, BSc (Dar)

*Principal Laboratory Scientist II*

E. M. Sosovele, BSc (OUT), MSc, PhD (Dar)

*Senior Laboratory Scientist I*

P. Raymond, BSc, MSc (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*

M. Henry, DipLabTech (DIT, Dar)  
K. Shitindi, DipLabTech (WDMI, Dar)  
A. A. Mlwisa DipLabTech (DIT, Dar), BSc (SUA)

**Department of Physics**

*Senior Lecturer and Head*

N. K. Mohammed, BSc, MSc (Dar), PhD (UK)

*Associate Professor*

P. K. Msaki, BSc (Lusaka), MSc (UK), PhD (Uppsala)  
J. W. Kondoro BSc (ed) (Dar), MSc (USA), PhD (Germany)  
R. M. R. Kainkwa, BSc, MSc, PhD (Dar)

*Senior Lecturers*

C. B. S. Uiso, BSc, MSc, PhD (Dar)  
Y. I. Koleleni, BSc, MSc, PhD (Dar)  
I. N. Makundi, BSc, MSc (Dar), PhD (Tokyo)  
M. E. Samiji, BScEd, MSc (Dar), PhD (Port Elizabeth)  
N. R. Mlyuka, BSc, MSc, PhD (Dar)

*Lecturers*

A. B. Malisa, BSc (Dar), MSc, PhD (Chalmers, Sweden)  
M. Mazunga, BSc, MSc (Dar), PhD (China)

*Assistant Lecturers*

\*P. Lwitiko, BSc, MSc (Dar)  
\*M. Kumwenda, BSc, MSc (Dar)  
\*I. Lugendo, BSc, MSc (Dar)  
\*R. Juma, BSc (Dar), MSc (Dar)  
\*P. T. S. Limbu, BSc (Dar), MSc (China)  
K. Laban, BSc (Dar), MSc (China)  
J. John, BSc, MSc (Dar)  
M. Mohammed, BSc, MSc (Dar)

*Tutorial Assistant*

\*D.O. Mbigi, BSc, (Dar)  
\*G.D. Sungi, BSc, (Dar)E.K.  
\*Makula, BSc, (Dar)

*Head of Technical Staff and Laboratory Scientists I*

E. Rwenyagila, BScEd (Dar), MSc (Switzerland), PhD (Nigeria)

*Chief Technicians*

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

*Principal Laboratory Engineers II*

A. M. Mnyabwilo, BScEng (Dar)  
M. K. Mtelela, AdvDipEng (DIT)

**Department of Zoology and Wildlife Conservation**

*Senior Lecturer and Head*

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

*Senior Lecturers*

J. G. Yarro, BSc, MSc, PhD (Dar)  
P. F. Kasigwa, BSc, MSc (Dar), PhD (Sussex)  
F. M. Urasa, BSc, MSc, PhD (Dar)  
H. B. Pratap, BSc, MSc (Gujarat), PhD (Dar)  
F. A. Mturi, BSc PhD (Dar)  
G. Nkwengulila, BSc (Dar), MSc, PhD (Liverpool)  
C. L. Nahonyo, Dip Wildl. Mgt (Mweka), BSc, MSc (Dar), PhD (Kent)  
H. Y. D. Kiwia, Dip Wildl. Mgt (Mweka), BSc, MSc, PhD (Dar)  
MA. Njau, BSc, MSc, PhD (Dar)  
B. A. Nyundo, BSc, MSc, PhD (Dar)

*Lecturers*

J. John, BSc (SUA), MSc (Dar) PhD (SNU, Seoul)  
F. Stephano, BSc, MSc (Dar), PhD (CAU-Kiel Germany)  
V. Jestina, BSc, MSc (Dar), PhD (Pretoria)  
F. D. Chibwana, BSc, MSc, PhD (Dar)  
C. Werema, BSc, MSc, PhD (Dar)  
W. Ngalason, BSc, MSc, PhD (Dar)

*Assistant Lecturers*

\*M. Kibaja, BSc, MSc (Dar)  
\*M. Shilereyo, BSc, MSc (SUA)  
Y. Chuhila, BSc (Dar), MSc (Nairobi)  
A. B. Ahungu, BSc (Dar), MSc (NM-AIST)  
S. Temu, BSc, MSc (Dar)

*Tutorial Assistants*

H. Mfaume, BSc (Dar)  
\*J.V. Lyakurwa, BSc (Dar)  
\*S. F. Ndunguru, BSc (Dar)  
\*J. Kachungwa, BSc (Dar)

*Chief Laboratory Scientist*

S. P. Nyalusi, DMLT (EA), CertInsPhysio (UK), CertHTech (Netherlands), BSc (OUT), MSc (Dar)  
J. Kyomo, BSc (Dar), MSc (IHE)

*Senior Laboratory Scientist III*

I. M. Chiduo, BSc, MSc (Dar)  
P. S. Nzumbi, BSc, MSc (Dar)

*Senior Technician III*

S. Mweyo, BSc (OUT), FTC

*Lab Scientist II*

S. G. Ackrey, BSc (SUA)

*Principal Laboratory Assistant*

M. Hussein

*Laboratory Assistant I*

R. C. Edward

**Central Science Workshop**

*Manager*

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

*Principal Laboratory Engineer*

D. M. Lameck, FTC (DTC), ADE (DIT), PGD, MEM (Dar)

*Chief Technician*

R. Baruti, FTC (Arusha), Fine Mechanics (Nijmegen)  
S. Musa, FTC (DTC)  
MA. Mpili, FTC (DTC), BBA (Dar)  
A. Ramadhan, FTC (DTC)

\* On Study Leave

\*\*On Sabbatical Leave

\*\*\*On Leave of Absence/Secondment



## INTRODUCTION

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

### Purpose and Scope

The College Social Sciences has an organized uniform structure for postgraduate courses in Economics, Geography, Information Studies, Political Science and Public Administration, Sociology, 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:

- 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 society development and a personal commitment to social reconstruction in Tanzania.
- c) To encourage an interdisciplinary approach and joint research among all the University's social sciences departments.
- d) To generate teaching and research materials with direct relevance to contemporary policy issues in Tanzania.

### Duration of the Course

The MA. programmes offered in the College last for 18 months and some 24 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 (termed "optional courses."))

### Eligibility for Admission into the Postgraduate Programmes

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

- i) A good Bachelor's degree with a minimum GPA of 2.7 or its equivalent; and
- ii) Positive recommendations from the minimum of two referees.

### Teaching Programme

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 a 2-week period for revision and semester examinations. The 24 months programme consists of three semesters of coursework and 6 months of dissertation.

### Examinations

- i) Coursework Assessment:  
Course assessment ordinarily counts for 50% towards the final marks in each course. Coursework marks include semester tests, exercises, or research papers.
- 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 studies 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.

### Exemption

Any candidate who has taken any of the required courses at undergraduate level may, at the discretion of the Department, be exempted from such courses. Such a candidate shall enroll in equivalent work related to his/her area of interest and such work shall be examined in place of the exempted courses.

### Dissertation

The terminal period of 9 months is directed towards the completion of either (1) a research paper or (2) a dissertation. The MA. degree will not be granted until this dissertation or research paper has been satisfactorily completed.

### Coordinators of Postgraduate Studies

There is a coordinator postgraduate programme in the College and in each department. Table 1: presents programmes offered in the College:

**PROGRAMMES OFFERED BY COLLEGE OF ARTS AND SOCIAL SCIENCES**

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	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
	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

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	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
	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

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	Non Tanzanian (US\$)
	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	24 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	15 months	7,500,000	6,030

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS)	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 (MA. ECONOMICS)

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

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 coursework 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
<b>Total</b>		<b>48</b>

**Semester 2**

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

**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

Code	Course Title	Credits
<b>Electives</b>		<b>64</b>
EC 699	Dissertation	80

<b>Overall Total</b>	<b>240</b>
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**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.A.E. programme intends to bring this solution to the market, especially in the developing world to inform decision making in addressing the development challenges.

MA.A.E. 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 coursework 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
<b>Total</b>		<b>36</b>

**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
<b>Total</b>		<b>36</b>

**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
<b>Total</b>		<b>24</b>

#### *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
<b>Total</b>		<b>24</b>

#### **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
<b>Total</b>		<b>36</b>

##### **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
<b>Total</b>		<b>24</b>

#### *Semester 2*

Code	Course Title	Credits
EC 699	Dissertation	48
<b>Overall Total</b>		<b>228</b>

#### **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.

Students are required to take six core courses of 16 credits each and 4 optional courses of 16 credits 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 following course offered are in this programme:

#### **Year 1**

##### *Semester 1 (12 Units)*

Code	Course Title	Credits
EC 701	Microeconomics I	16
EC 703	Macroeconomics I	16
EC 705	Quantitative Methods I	16
<b>Total</b>		<b>48</b>

##### *Semester II (12 Units)*

Code	Course Title	Credits
EC 702	Microeconomics II	16
EC 704	Macroeconomics II	16
EC 706	Quantitative Methods II	16
<b>Total</b>		<b>48</b>

#### **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

Code	Course Title	Credits
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
<b>Total</b>		<b>64</b>

Code	Course Title	Credits
EC 799	Dissertation	160
<b>Overall Total</b>		<b>320</b>

## DEPARTMENT OF GEOGRAPHY

### MASTER OF ARTS IN GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT (MA. GEM)

#### 1.1 Programme Structure for MA 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. 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 (MA. PPM)

#### Programme Structure for MA PPM

The Master of Arts in Project Planning and Management is an evening programme structured into 48 credits comprising 27 core credits, 12 dissertation credits, and 9 credits derived from optional courses. In each Semester, a student will be required to take 3 core courses and 1 optional course. The programme duration is two years (24 months) divided into four 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 656	Resource Mobilisation and Project Financing	12

**Optional Courses**  
**Semester 1**

Code	Course Title	Credits
GE 653	Poverty and Livelihood Analysis	12
GE 654	Rural Development and Sustainable Agriculture	12
GE 658	Development Projects and Disaster Management	12

**Core Courses**  
**Semester 2**

Code	Course Title	Credits
GE 651	Participatory Techniques and Professional Skills	12
GE 657	Monitoring and Evaluation Methods	12
GE 665	Principles, Theories and Approaches in Monitoring and Evaluation	12

**Optional Courses**  
**Semester 2**

Code	Course Title	Credits
GE 655	Formulation, Implementation and Assessment of Public Policies	12
GE 662	Community Empowerment and Development	12
GE 663	Social Entrepreneurship	12

**Year 2**  
**Core Courses**  
**Semester 1**

Code	Course Title	Credits
GE 660	Data Management, Analysis and Report Writing	12
GE 661	Strategic Project Management	12
GE 666	Advanced Research Methods	12

**Optional Courses**  
**Semester 1**

Code	Course Title	Credits
GE 659	Environmental Assessment and Natural Resources Conservation	12
GE 664	Project Management Information Systems	12

**Year 2**  
**Semester 2**

Code	Course Title	Credits
GE 699	Dissertation	12

**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 the 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. Students will take four core courses and a minimum of one elective course for each semester. The third semester is reserved for dissertation. Below is the list of courses for Master of Science in GIS programme:

**Year 1**  
**Core Courses**  
**Semester 1**

Code	Course Title	Credits
<b>GE 632</b>	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 Courses****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

**DOCTOR OF PHILOSOPHY IN GEOGRAPHY (PhD GEOGRAPHY) BY COURSEWORK 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 defense 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 comprehensive examination and dissertation.

**Required coursework Credits for each PhD Student**

Course category	Number of Courses	Credits per Course	Total Credits
Core Courses	5	3	15
Optional Courses	4	3	12
<b>Total</b>	<b>9</b>	<b>3</b>	<b>27</b>

**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 Courses 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

**DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY**

The following postgraduate programmes are offered by the Department of Sociology and Anthropology:

**MASTER OF ARTS IN SOCIOLOGY (MA. SOCIOLOGY)**

**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

**Compulsory**

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)**

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	24	III

## DOCTOR OF PHILOSOPHY IN SOCIOLOGY (PhD SOCIOLOGY) BY THESIS

The Department of Sociology offers a three years PhD programme by thesis.

### DEPARTMENT OF STATISTICS

The Department of Statistics offers postgraduate programs leading to the award of Master of Arts in Statistics M.A. Statistics and PhD. The M.A. (Statistics) degree is offered in two modes: either by Coursework and Dissertation or by Thesis whereas PhD is by Thesis.

### MASTER OF ARTS IN STATISTICS (M.A. STATISTICS)

#### Regulations

All University Regulations on the conduct of postgraduate studies apply.

#### Duration of the Course

The M.A. (Statistics) by Coursework and Dissertation takes a minimum of 18 months, while the M.A. by Thesis takes a minimum of two years, as per University Regulations.

#### Course Assessment

M.A. (Statistics) by Coursework and Dissertation: Coursework 50%, Final examinations 50%, Dissertation is graded over 100%.

#### Course Structure for the M.A. Coursework and Dissertation Programme

There will be a minimum of 180 credits consisting of 120 credits for Coursework and 60credits for Dissertation.

#### FIRST SEMESTER (First Year)

Code	Name of Course	Status	Credits
ST 620	Multivariate Analysis I	Core	12
ST 622	Statistical Theory I	Core	12
ST 631	Advanced Sampling Theory I	Core	12
<i>Students have to select any 2 of the following courses</i>			
ST 625	Design of Experiments	Elective	12
ST 627	Advanced Statistical Methods of Econometrics	Elective	12
ST 629	Advanced Operations Research I	Elective	12
ST 635	Time Series Analysis and Forecasting Techniques	Elective	12
<b>Minimum required</b>			<b>60</b>

## SECOND SEMESTER (First year)

Code	Name of Course	Status	Credits
ST 621	Multivariate Analysis II	Core	12
ST 623	Statistical Theory II	Core	12
ST 624	Statistical Methods	Core	12
<i>Students have to select any 2 of the following courses</i>			
ST 630	Advanced Operations Research II	Elective	12
ST 632	Advanced Sampling Theory II	Elective	12
ST 636	Spectral Analysis of Time Series	Elective	12
<b>Minimum required</b>			<b>60</b>

#### FIRST SEMESTER (Second Year)

Code	Name of Course	Status	Credits
ST 699	Dissertation	Core	60

### 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<sup>1</sup>

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 course work credits and 60 credits for the research paper as detailed below:

S/N	Details	Credits
1.	Compulsory Courses	48
2.	Major Area of Concentration: Core Courses	24
3.	Electives	48
4.	Research Paper	60
	<b>Total</b>	<b>180</b>

Each course, other than the Research Paper, carries 12 credits. The Research Paper 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	Principles and Methods in Social Science Research	12

<sup>1</sup> The breakdown of courses according to semester will be done at the beginning of registration for the programme.

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	Course Title	Credits
PS 620	Public International Law	12
PS 622	International Political Economy	12
PS 628	Security, Conflict and War	12
PS 726	African International Relations	12

**Electives: 48 Credits**

Code	Course Title	Credits
PS 714	Human Rights and Human Rights Law	12
PS 719	International Organization	12
PS 720	Regional Integration	12
PS 729	Foreign Policy and Diplomacy	12
PS 730	Conflict Resolution and Peace Studies	12
PS 733	Conflict Management and Resolution in Africa	12
PS 750	Topics/Directed Study	12

**Research Paper: 60 Credits**

Code	Course Title	Credits
PS 799	Research Paper	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 Practice	12

**Electives: 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 710	The State and the Economy	12
PS 711	Gender and Governance	12
PS 716	Identity and Politics	12
PS 724	Classical Political Thought	12
PS 734	Issues in Comparative Politics	12
PS 735	Islamic Political Thought	12
PS 738	Selected Issues in Political Thought	12
PS 750	Special Topics/Directed Study	12

**Research Paper: 60 Credits**

Code	Course Title	Credits
PS 799	Research Paper	60

**MASTER OF ARTS IN PUBLIC ADMINISTRATION**

Students pursuing M.A. in Public Administration are required to take 180 credits consisting of 120 coursework credits and 60 credits for the research paper as detailed below:

S/N	Details	Credits
1.	5 Compulsory Courses	60
2.	5 Elective Courses	60
3.	Research Paper	60
	<b>Total</b>	<b>180</b>

Each course, other than the Research Paper, carries 12 credits. The Research Paper carries 60 credits. Listed below are the course offerings:

**Compulsory Courses: 60 Credits**

Code	Course Title	Credits
PS 601	Principles and Methods in 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

**Electives: 60 Credits**

Code	Course Title	Credits
PA 706	Corporate Governance	12
PA 707	Administrative and Labour Law	12
PA 717	Local Governance	12
PS 711	Gender and Governance	12
PA 718	Organization Development and Change	12
PA 725	Managing Public Services	12

**Research Paper: 60 Credits**

Code	Course Title	Credits
PS 799	Research Paper	60

**MASTER OF RESEARCH AND PUBLIC POLICY (MRPP)**

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
	<b>Total</b>	<b>204</b>

Each course, other than the Dissertation, carries 12 credits. The Dissertation carries 48 credits. Listed below are the course offerings:

**Compulsory 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 Analysis	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

**Research Paper: 48 Credits**

Code	Course Title	Credits
RP 799	Dissertation	48

**MASTER OF ARTS IN STRATEGIC AND PEACE STUDIES**

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 coursework credits and 60 credits for the research paper as detailed below:

S/N	Details	Credits
1.	5 Compulsory Courses	60
2.	5 Elective Courses	60
3.	Research Paper	60
	<b>Total</b>	<b>180</b>

Each course, other than the Research Paper, 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) Compulsory Courses: 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) Compulsory Courses: Peace Studies Concentration 60 Credits**

Code	Course Title	Credits
PS 601	Principles and Methods in Social Science	12
PS 730	Conflict Resolution and Peace Studies	12
PS 733	Conflict Management and Resolution in Africa	12
SS 608	Global Security Management	12
SS 616	Post Conflict Reconstruction	12

**Elective Courses: 60 Credits**

Code	Course Title	Credits
SS 602	Environment, Resources, and Conflict	12
SS 604	Defence 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 711	Gender and Governance	12
PS 714	Human Rights and Human Rights Law	12
PS 716	Identity and Politics	12

PS 729 Foreign Policy and Diplomacy	12
PS 730 Conflict Resolution and Peace Studies	12
PS 733 Conflict Management and Resolution in Africa	12
PA 605 Public Policy	12
LW 602 International Humanitarian Law	12

**Research Paper: 60 Credits**

Code	Course Title	Credits
PS 799	Research Paper	60

**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 (Ph.D) BY THESIS**

**PhD IN POLITICAL SCIENCE BY COURSEWORK AND DISSERTATION**

Students pursuing a PhD in Political Science are required to take 702 credits consisting of 432 coursework credits and 270 for the dissertation as detailed below:

S/N	Details	Credits
1.	Compulsory Courses	144
2.	Major Area of Concentration: Core Courses	96
3.	Electives	192
4.	Dissertation	270
	<b>Total</b>	<b>702</b>

The Major Areas of Concentration are: Public Administration, International Relations and Politics.

**Compulsory Courses: 144 Credits**

Code	Course Title	Credits
PS 601	Principles and Methods in Social Science Research	24
PS 603	Political Analysis	24
PS 604	Political Theory	24
PS 618	International Relations: Approaches and Issues	24
PS 702	Data Analysis Methods and Techniques	24
PA 603	Administrative Theory (Models, Concepts, Paradigms)	24
PS 899	Dissertation	270

**Major Areas of Concentration**

Three areas of concentration are offered. These are International Relations, Public Administration and Politics.

**International Relations Concentration**

**Core Courses: 96 Credits**

Code	Course Title	Credits
PS 620	Public International Law	24
PS 622	International Political Economy	24

PS 628 Security, Conflict, and War	24
PS 726 African International Relations	24

**Electives: 192 Credits**

Code	Course Title	Credits
PS 714	Human Rights and Human Rights Law	24
PS 719	International Organization	24
PS 720	Regional Integration	24
PS 729	Foreign Policy and Diplomacy	24
PS 730	Conflict Resolution and Peace Studies	24
PS 733	Conflict Management and Resolution in Africa	24
PS 750	Special Topics/Directed Study	24

**Electives:**

192 credits, 96 selected from the schedule of courses from the respective area of concentration. The other 96 can be selected from the University wide graduate courses.

**Public Administration Concentration**

**Core Courses: 96 Credits**

Code	Course Title	Credits
PA 604	Public Finance Management	24
PA 605	Public Policy	24
PA 606	Human Resource Management	24
PA 608	Comparative Public Administration	24

**Electives: 192 Credits**

Code	Course Title	Credits
PA 706	Corporate Governance	24
PA 707	Administrative and Labour Laws	24
PA 713	Employee and Labour Relations	24
PA 717	Local Governance	24
PA 718	Organization Development and Change	24
PA 725	Managing Public Services	24
PS 711	Gender and Governance	24

**Electives:**

192 credits, 96 selected from the schedule of courses from the respective area of concentration. The other 96 can be selected from the University wide graduate courses.

**Politics Concentration:**

**Core Courses: 96 Credits**

Code	Course Title	Credits
PS 607	Comparative Politics	24
PS 611	Contemporary Political Thought	24
PS 614	African Political Thought	24
PS 615	Democratic Theory and Practice	24

**Electives: 192 Credits**

Code	Course Title	Credits
PS 639	Area Studies: One of the following – America, Europe, Asia, Middle East, China, Caribbean and Latin America	24
PS 710	The State and the Economy	24
PS 711	Gender and Governance	24
PS 716	Identity and Politics	24
PS 724	Classical Political Thought	24
PS 734	Issues in Comparative Politics	24
PS 735	Islamic Political Thought	24
PS 738	Selected Issues in Political Thought	24
PS 750	Special Topics/Directed Study	24

**Electives:**

192 credits, 96 selected from the schedule of courses from the respective area of concentration. The other 96 can be selected from the University wide graduate courses.

**Ph.D IN PUBLIC ADMINISTRATION BY COURSEWORK AND DISSERTATION**

The PhD in Public Administration requires students to take 702 credits consisting of 432 coursework credits and 270 credits for the dissertation.

S/N	Details	Credits
1.	Compulsory Courses	144
2.	Major Area of Concentration	96
3.	Electives	192
4.	Dissertation	270
	<b>Total</b>	<b>702</b>

Each course other than the Dissertation carries 24 credits. The Dissertation carries 270 credits. Students admitted to the Ph.D degree in Public Administration are required to take the following courses:

**Compulsory Courses: 144 Credits**

Code	Course Title	Credits
PS 601	Principles and Methods in Social Science Research	24
PS 802	Data Analysis: Methods and Techniques	24
PA 603	Administrative Theory (Models, Concepts, Paradigms)	24
PA 604	Public Finance Management	24
PA 605	Public Policy	24
PA 606	Human Resource Management	24
PS 899	Dissertation	270

**Major Area of Concentration: 96 Credits**

Code	Course Title	Credits
PA 608	Comparative Public Administration	24
PA 706	Corporate Governance	24
PA 708	Performance Management	24

PA 713	Employee and Labour Relations	24
PA 717	Local Governance	24
PA 718	Organizational Development and Change	24
PA 850	Special Topics/Directed Study	24

**Electives**

192 credits, 96 selected from the schedule of courses from the area of concentration. The other 96 can be selected from the University wide graduate courses.

**POPULATION STUDIES AND RESEARCH CENTRE**

The M.A in Demography programme consists of nine months of instruction, followed by writing of the dissertation. The instructional period is divided into two semesters, consisting of 15 teaching weeks and a 2-week period for revision and semester examinations. The core courses and options for each semester are as shown in the table below.

**MASTER OF ARTS IN DEMOGRAPHY (M.A. DEMOGRAPHY)****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

**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.

The M.A in Demography programme consists of nine months of instruction, followed by writing of the dissertation. The instructional period is divided into two semesters, consisting of 15 teaching weeks and a 2-week period for revision and semester examinations. The core courses and options for each semester are as shown in the table below.

### MASTER OF ARTS IN DEMOGRAPHY (M.A. DEMOGRAPHY)

#### 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

##### 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.

### 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 18 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 M.A Programme a candidate must have a Lower Second Class Bachelors Degree in any field as a minimum entry qualification. For a Ph.D and M.A 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 Ph.D and M.A 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	Course Title	Status	Credits
IL 634	IL 634 – Information and Communication Theory	Core	12
IL 635	IL 635 – Information Sources and Reference Services	Core	12
IL 636	IL 636 – Information Technology and its Applications	Core	12
IL 637	IL 637 – Organization of Knowledge	Core	12
<b>Students have to select at least 1 of the following courses</b>			
IL 617	IL 617 Information User Studies	Elective	8
IL 641	IL 641 Legal Information Services	Elective	8
IL 642	IL 642 Information in Science and Technology	Elective	8
GE 633	GE 633 Geographical Information Systems (Check with Geography Dept on when the course is offered)	Elective	12
Minimum required			56

##### Second Semester (First year)

Code	Name Title	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
<b>Students have to at least 1 of the following courses</b>			
IL 618	Analysis, Design and Evaluation of Information Systems	Elective	8
IL 633	Digital Libraries	Elective	8
IL 643	Knowledge Management	Elective	8

GE 633	Geographical Information Systems (Check with Geography Dept on when the course is offered)		12
<b>Minimum required</b>			<b>68</b>

#### Second Year

Code	Course Title	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
	Optional Courses (Select one)			Optional Courses (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
<b>SEMESTER 3</b>					
RA 699	Dissertation	60			



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\*S. Mutebi, B. A, M. A (Dar)  
\*A. Matogwa, B. A, M. A (Dar)  
E. Kamanyi, B. A, M. A (Dar)

*Tutorial Assistants*

F. Evarest, B. A (Dar)  
M. Ntiro, B. A (Dar)  
Z. Ibrahim, B. A (Dar)  
S. Kisiaya, B. A (Dar)  
H. Yasini, B. A (Dar)  
M. David, B. A (Dar)

**Social Work Unit**

*Lecturer and Coordinator*

M. Bingi, BA, MA, PhD (Dar)

*Associate Professor*

F. Tungaraza BA, MA (Dar), Dr. rer. Pol Ausburg FRG PDCHB (Harvard)

*Lecturer*

M. Bingi, BA, MA, PhD (Dar)  
M. Trichal, BA, MA, PhD (NET INDIA)

*Assistant Lecturer*

\*E. Moses BA, MA (Dar)  
\*D. Mukono, BA, MA (Dar)  
\*F. Herman, BA, MA (Dar)

**Anthropology Unit**

*Lecturer and Coordinator*

Vendelin T. Simon, BA (Dar), MA (Bergen), PhD (Basel)

*Professor*

S. Maghimbi, BA, MA (Dr), MSc, PhD (London)

*Senior Lecturers*

R. Mwaipopo BA, MA (Dar), PhD (UCT)

*Lecturers*

M. Dauda, BA (Dar), MSc (Lund), PhD (Lent)  
N. Mhando, BA, MA (Dar), PhD (Goldsmiths, University of London)  
F. R. Sambaiga, BA, MA (Dar), PhD (Basel)  
Vendelin T. Simon, BA (Dar), MA (Bergen), PhD (Basel)

*Tutorial Assistants*

Ernest Moronda BA (Dar)

**Psychology Unit**

*Assistant Lectures*

I. B. A. Mbata, BA (Gregorian), M.A. (Lumsa-Rome)  
J. J. Kinanda, BA, MA (Dar)

*Tutorial Assistants*

S. P. Njenje, BA (Dar)  
M. A. Shagembe, BA (Dar)

**Department of Statistics**

*Lecturer and Head*

A. S. Msengwa, BA, MA, PhD (Dar)

*Professors*

R.S. Katapa, BSc, MSc (Dar), MSc (Carleton), PhD (Toronto)

M.C.Y. Mbago, BA, MA (Dar), PhD (Liverpool)  
R.J. Akarro, BA, MA (Dar), MSc (London), PhD (Dar)

*Senior Lecturers*

D. M. B. Rugaimukamu, BA, MA (Dar), MSc, PhD (Southampton)  
F. J. Sichona, BSc, MA (Dar), PhD (NCSU)  
G. M. Naimani, BSc, MA, PhD (Dar)  
A. S. Mussa, BSc, MA (Dar), PhD (Kent)  
A. R. C. Mniachi, Dip. Ed, BSc, MA (Dar), PhD (Lancaster)

*Lecturers*

A. S. Msengwa, BA, MA, PhD (Dar)

*Assistant Lecturers*

\*E. N. Mukyanuzi, BA, MA (Dar)  
\*D. Mosha, BA, MA (Dar)  
\*G. Baltazary, BA, MA (Dar)  
\*D. Loiboo, BA, MA (Dar)  
B. Wilson, 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)  
C. Mbotwa, BA (Dar)

*Tutorial Assistants*

E. Magwaja, BA (Dar)  
E. Rutaigwa, BA (Dar)  
J. Rashid, BSc (Dodoma)  
E. Emmanuel, BSc. (Dar)

**Population Studies and Research Centre**

*Coordinator*

H. Hambati, BA, MA, PhD (Dar)

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\* On Study Leave

\*\*On Sabbatical Leave

\*\*\*On Leave of Absence/Secondment

**B. SCHOOLS**

**UNIVERSITY OF DAR ES SALAAM BUSINESS SCHOOL (UDBS)**

**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 by 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**

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	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
	Master of Business Administration (MBA) <input type="checkbox"/> Accounting <input type="checkbox"/> Finance <input type="checkbox"/> Human Resource Management <input type="checkbox"/> Marketing	Coursework and Dissertation	Fulltime	24 months	8,500,000	8,040
	Master of Business Administration (MBA) <input type="checkbox"/> Accounting <input type="checkbox"/> Finance <input type="checkbox"/> Human Resource Management Marketing	Coursework and Dissertation	Evening (Starts in July)	24 months	8,500,000	8,040
	Master of Business Administration (MBA) <input type="checkbox"/> Accounting <input type="checkbox"/> Finance <input type="checkbox"/> Human Resource Management Marketing	Coursework and Dissertation	Executive	27 months	8,500,000	8,040

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	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

**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:

- i. Acquire the requisite theoretical understanding of the total business world and generic areas of management;
- ii. Develop practical skills for effective management building confidence in teams and motivating other people;
- iii. 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 (FULLTIME)

### Introduction

The Fulltime 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 Fulltime 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 Fulltime MBA Programme:

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
	<b>Year 1: Semester 2</b>		
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
	<b>Year 2: Semester 1</b>		
GM 602	Strategic Management	Core	12
	Option 1	Option	12
	Option 2	Option	12
	Option 3	Option	12
	Option 4	Option	12
	<b>Year 2 Semester 2</b>		
GM 699	Dissertation	Core	90

	<b>Total</b>		<b>270</b>
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**Semester 1**

**Specialization**

Course Code	Course Title	Core/ Elective	Credits
	Accounting Option		
AC 603	Management Accounting for Decision Making	Option	12
AC 604	Advanced Auditing and Investigation	Option	12
AC 605	Advanced Taxation	Option	12
AC 606	Advanced Financial Reporting	Option	12
AC 607	Advanced Forensic Accounting and Fraud Investigation	Option	12
AC 608	Advanced Accounting Information Systems	Option	12
AC 609	Advanced Corporate Governance and Social Responsibility	Option	12
AC 610	Accounting for Environment and Natural Resources	Option	12
AC 611	Advanced Financial Statement Analysis	Option	12
	Finance Option		
FN 602	Financial Institutions and Markets	Option	12
FN 603	Public Sector Financial Management	Option	12
FN 604	Monetary Theory and Policies	Option	12
FN 605	International Business Finance	Option	12
FN 606	Advanced Corporate Finance	Option	12
FN 607	Financial Planning and Analysis	Option	12
FN 609	Personal and Social Security Finance	Option	12
FN 610	Micro Finance	Option	12
FN 614	Investment Analysis and Portfolio Management	Option	12
FN 615	Bank Management	Option	12
	Human Resources		
GM 603	Organization Theory	Option	12
HR 602	Labour Law	Option	12
HR 603	Human Resources Planning and Recruitment	Option	12
HR 606	Industrial Relations	Option	12
HR 609	Human Resource Training and Development	Option	12

Course Code	Course Title	Core/ Elective	Credits
HR 610	International Human Resources Management	Option	12
HR 612	Strategic Human Resources Management	Option	12
HR 613	Performance and Rewards Management	Option	12
HR 614	Organization Behaviour	Option	12
	Operations/Procurement		
IM 603	Operations Research	Option	12
IM 604	Procurement Management	Option	12
IM 605	Advanced Management Information Systems	Option	12
IM 623	Total Quality Management	Option	12
IM 624	Supply Chain Management	Option	12
IM 626	Project Planning and Management	Option	12
IM 630	Inventory Management	Option	12
IM 642	International Procurement Management	Option	12
	Marketing		
MK 603	Consumer Behaviour	Option	12
MK 615	Strategic Marketing	Option	12
MK 606	Marketing Research	Option	12
MK 607	Marketing Communications	Option	12
MK 608	International Marketing	Option	12
MK 610	Marketing of Services	Option	12
MK 612	Branding and Pricing Strategies	Option	12
MK 613	Marketing Distribution Systems and Sales Management	Option	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 learning 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 Fulltime 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)

##### Introduction

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 fulltime 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 6<sup>th</sup> 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 7<sup>th</sup> trimester is set for dissertation (research work).

#### Programme Structure and Delivery Mode

Course Code	Course Title	Core/Elective	Credits
Year 1: Trimester 1			
IM 600	Quantitative Methods for Business Decisions	Core	12
IM 601	Management Information Systems	Core	12
MK 600	Advanced Marketing Management	Core	12
Year 2: Trimester 2			
AC 601	Financial Accounting for Managers	Core	12
HR 600	Human Resource Management	Core	12
IM 602	Managerial Economics	Core	12
Year 1: Trimester 3			
GM 600	Business Research Methods	Core	12
GM 601	Business Law and Ethics	Core	12
FN 601	Financial Management	Core	12
Year 2: Trimester 1			
MK 614	Entrepreneurship and Business Planning	Core	12
GM 602	Strategic Management	Core	12
	Option 1	Option	12
Year 2: Trimester 2			
	Option 2	Option	12
	Option 3	Option	12
	Option 4	Option	12
Year 2: Trimester 3			
GM 699	Dissertation	Core	90



### Specialization

Course Code	Course Title	Core/ Elective	Credits
	<b>Accounting Option</b>		
AC 603	Management Accounting for Decision Making	Option	12
AC 604	Advanced Auditing and Investigation	Option	12
AC 605	Advanced Taxation	Option	12
AC 606	Advanced Financial Reporting	Option	12
AC 607	Advanced Forensic Accounting and Fraud Investigation	Option	12
AC 608	Advanced Accounting Information Systems	Option	12
AC 609	Advanced Corporate Governance and Social Responsibility	Option	12
AC 610	Accounting for Environment and Natural Resources	Option	12
AC 611	Advanced Financial Statement Analysis	Option	12
	<b>Finance Option</b>		
FN 602	Financial Institutions and Markets	Option	12
FN 603	Public Sector Financial Management	Option	12
FN 604	Monetary Theory and Policies	Option	12
FN 605	International Business Finance	Option	12
FN 606	Advanced Corporate Finance	Option	12
FN 607	Financial Planning and Analysis	Option	12
FN 609	Personal and Social Security Finance	Option	12
FN 610	Micro Finance	Option	12
FN 614	Investment Analysis and Portfolio Management	Option	12
FN 615	Bank Management	Option	12
	<b>Human Resources</b>		
GM 603	Organization Theory	Option	12
HR 602	Labour Law	Option	12
HR 603	Human Resources Planning and Recruitment	Option	12
HR 606	Industrial Relations	Option	12
HR 609	Human Resource Training and Development	Option	12
HR 610	International Human Resources Management	Option	12
HR 612	Strategic Human Resources Management	Option	12
HR 613	Performance and Rewards Management	Option	12
HR 614	Organization Behaviour	Option	12
	<b>Operations/Procurement</b>		

Course Code	Course Title	Core/ Elective	Credits
	<b>Accounting Option</b>		
IM 603	Operations Research	Option	12
IM 604	Procurement Management	Option	12
IM 605	Advanced Management Information Systems	Option	12
IM 623	Total Quality Management	Option	12
IM 624	Supply Chain Management	Option	12
IM 626	Project Planning and Management	Option	12
IM 630	Inventory Management	Option	12
IM 642	International Procurement Management	Option	12
	<b>Marketing</b>		
MK 603	Consumer Behaviour	Option	12
MK 615	Strategic Marketing	Option	12
MK 606	Marketing Research	Option	12
MK 607	Marketing Communications	Option	12
MK 608	International Marketing	Option	12
MK 610	Marketing of Services	Option	12
MK 612	Branding and Pricing Strategies	Option	12
MK 613	Marketing Distribution Systems and Sales Management	Option	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 coursework and the dissertation have been satisfactorily completed, graded and the candidate has passed all of them.

**MASTER OF BUSINESS ADMINISTRATION (EXECUTIVE)**

**Introduction**

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 work and study. Because it is

modular programme offered on a fulltime 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 fulltime 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 while undertaking practical assignments. The 8<sup>th</sup> module is set for dissertation writing (research 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 Title	Core/Elective	Credits
Module 1			
IM 600	Quantitative Methods for Business Decisions	Core	12
IM 601	Management Information Systems	Core	12
MK 600	Advanced Marketing Management	Core	12
Module 2			
AC 601	Financial Accounting for Managers	Core	12
HR 600	Human Resource Management	Core	12
IM 602	Managerial Economics	Core	12
Module 4			
GM 600	Business Research Methods	Core	12
GM 601	Business Law and Ethics	Core	12
FN 601	Financial Management	Core	12
Module 5			
MK 614	Entrepreneurship and Business Planning	Core	12
GM 602	Strategic Management	Core	12
	Option 1	Option	12
Module 6			
	Option 2	Option	12
	Option 3	Option	12
	Option 4	Option	12
Module 7			

GM 699	Dissertation	Core	90
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### Specialization Courses

Course Code	Course Title	Core/ Elective	Credits
	<b>Accounting Option</b>		
AC 603	Management Accounting for Decision Making	Option	12
AC 604	Advanced Auditing and Investigation	Option	12
AC 605	Advanced Taxation	Option	12
AC 606	Advanced Financial Reporting	Option	12
AC 607	Advanced Forensic Accounting and Fraud Investigation	Option	12
AC 608	Advanced Accounting Information Systems	Option	12
AC 609	Advanced Corporate Governance and Social Responsibility	Option	12
AC 610	Accounting for Environment and Natural Resources	Option	12
AC 611	Advanced Financial Statement Analysis	Option	12
	<b>Finance Option</b>		
FN 602	Financial Institutions and Markets	Option	12
FN 603	Public Sector Financial Management	Option	12
FN 604	Monetary Theory and Policies	Option	12
FN 605	International Business Finance	Option	12
FN 606	Advanced Corporate Finance	Option	12
FN 607	Financial Planning and Analysis	Option	12
FN 609	Personal and Social Security Finance	Option	12
FN 610	Micro Finance	Option	12
FN 614	Investment Analysis and Portfolio Management	Option	12
FN 615	Bank Management	Option	12
	<b>Human Resources</b>		
GM 603	Organization Theory	Option	12
HR 602	Labour Law	Option	12
HR 603	Human Resources Planning and Recruitment	Option	12
HR 606	Industrial Relations	Option	12
HR 609	Human Resource Training and Development	Option	12
HR 610	International Human Resources Management	Option	12
HR 612	Strategic Human Resources Management	Option	12

Course Code	Course Title	Core/ Elective	Credits
	<b>Accounting Option</b>		
HR 613	Performance and Rewards Management	Option	12
HR 614	Organization Behaviour	Option	12
	<b>Operations/Procurement</b>		
IM 603	Operations Research	Option	12
IM 604	Procurement Management	Option	12
IM 605	Advanced Management Information Systems	Option	12
IM 623	Total Quality Management	Option	12
IM 624	Supply Chain Management	Option	12
IM 626	Project Planning and Management	Option	12
IM 630	Inventory Management	Option	12
IM 642	International Procurement Management	Option	12
	<b>Marketing</b>		
MK 603	Consumer Behaviour	Option	12
MK 615	Strategic Marketing	Option	12
MK 606	Marketing Research	Option	12
MK 607	Marketing Communications	Option	12
MK 608	International Marketing	Option	12
MK 610	Marketing of Services	Option	12
MK 612	Branding and Pricing Strategies	Option	12
MK 613	Marketing Distribution Systems and Sales Management	Option	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:
  - c) they have at least 5 years working experience after graduation, and
  - d) 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**

Code	Course Title	Credits
ENT 600	Entrepreneurship and Small Business: Context and Process	12
ENT 606	Enterprise Development	12

##### **Module II**

Code	Course Title	Credits
ENT 601	Regulatory Framework	12
ENT 602	Governance	12
ENT 603	Policy Analysis Development and Implementation	12

##### **Module III**

Code	Course Title	Credits
ENT 604	Policy Research Methodology	12
ENT 605	Formalization	12
MG 636	Technology Transfer and Innovation	12

**Module IV**

Code	Course Title	Credits
ENT 608	Non-Financial Business Development Services (BDS)	12
EFN 600	Small Business Finance	12
EMK 600	International Trade and E-Commerce	12

**Module V**

Code	Course Title	Credits
ENT 609	Change Management	12
ENT 610	Communication Skills for Policy Makers	12
ENT 611	Monitoring and Evaluation of Reforms	12

**Module VI**

Code	Course Title	Credits
ENT 699	Final Project	36
	<b>Total Units for MEED</b>	<b>156</b>

**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**

- First or second class honours degree from the University of Dar es Salaam or its equivalent from a recognized university; **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 for at least 6 months.
- A Postgraduate Diploma in Entrepreneurship and Enterprise Development (PGDEED) from the University of Dar es Salaam; **OR**
- Advanced Diploma from an accredited higher learning institution with a minimum second class upper division plus a Postgraduate Diploma; **OR**
- A recognized professional qualification in business (e.g. ACCA, CA, CPA, CSP, CPSP, CIB, MCIM, CMA) with acceptable minimum secondary education.

**AND**

- 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)****Introduction**

The MIT degree programme gives the students a balanced blend of macro and micro courses that are necessary to enable them to appreciate the linkages between macro policy issues related to trade management and micro strategic issues related to business management in view of increased international business interactions. In this regard, the MIT is a postgraduate degree programme designed to create world-class trade policy and business managers, who can serve the real needs of governments, businesses, and other institutions that pursue a trade and international business agenda.

**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 units.

### Course Mapping for the MIT Programme:

#### Module I:

Code	Course Title	Credits
TX 621	International Economics	12
IB 612	International Business Environment	12
TL 607	Legal Aspects of International Trade and Investment	12

#### Module II: International Trade Colloquium I

Code	Course Title	Credits
TX 602	Trade, Economic Growth, Competitiveness and Welfare	12
TX 604	GATT/WTO Agreements and Multilateral Trading System	12
TX 605	Integration Economics and Regional Trading Systems	12
TX 601	Modeling for Trade Policy Analysis	12

#### Module III: International Trade Colloquium II

Code	Course Title	Credits
TX 606	Trade Theory, Trade Policy and Market Access	12
TX 607	Economics of Commodity Market	12
TX 608	Trade in Services	12

#### Module IV: International Trade Colloquium III

Code	Course Title	Credits
TX 609	Trade and Business Negotiations – Theory, Practice and Management	12

TX 610	Investments in Emerging Markets	12
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### And One of the following:

Code	Course Title	Credits
TX 611	Strategic International Marketing for the International Trading System	12
TL 612	International Aspects of Intellectual Property Rights	12

### International Trade Colloquium IV

Code	Course Title	Credits
TX 613	Trade Paper I	24
TX 614	Trade Paper II	24
TX 615	Trade Negotiation Simulation Project	48

Code	Course Title	Credits
TX 699	Dissertation	54
	<b>Total Units for MIT</b>	<b>243</b>

### 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)**

**Introduction**

The Masters of International Business (MIB) degree programme is designed to provide students with the knowledge and analytical capabilities to allow them to take a 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 units.

Course Mapping for the MIB Programme:

**Module I:**

Code	Course Title	Credits
TX 621	International Economics	12
IB 612	International Business Environment	12
TL 607	Legal Aspects of International Trade and Investment	12

**Module II: International Business Forum I**

Code	Course Title	Credits
TX 602	Trade, Economic Growth, Competitiveness and Welfare	12
FN 605	International Business Finance	12
IB 607	Research Methods for International Business	12

**Module III: International Business Forum II**

Code	Course Title	Credits
IB 608	International Management	12
IB 609	Competition Law and Policy	12
IB 610	International Marketing Strategies	12

**Two Compulsory**

Code	Course Title	Credits
TX 609	Trade and Business Negotiations – Theory, Practice and Management	12
IB 611	International Logistics and Supply Chain Management	12

**One Elective Course**

Code	Course Title	Credits
IB 613	E-business	12
TX 610	Investments in Emerging Markets	12
IB 614	International Entrepreneurship	12
IB 618	International Marketing Research	12

#### Module IV: International Business Forum III

Code	Course Title	Credits
IB 615	Business Paper I	24
IB 616	Business Paper II	24
IB 617	Business Negotiation Simulation Project	48
IB 699	Dissertation	54
	<b>Total Units for MIB</b>	<b>234</b>

#### 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:
- They have at least a 5 years working experience after graduation;
  - 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:

- Continuous assessment of coursework that carries 50% of the final marks.
- Examination at the end of each semester, for 50% of the final marks.
- The pass marks of each examinable course is a B (50%).

##### (ii) Other Regulations

- 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.
- 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).
- The passing grade for a supplementary examination shall be a "B" regardless of the marks obtained
- 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.
- A candidate who fails a carried over course shall be discontinued.
- 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 Courses (Compulsory)

Code	Course Title	Credits
IM 620	Business Logistics Management	12
MS 602	Managerial Economics	12
MS 607	Strategic Management	12
IM 621	Applied Statistics	12



AC 600	Financial and Managerial Accounting	12
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**Module 2: Core Course (Compulsory)**

Code	Course Title	Credits
IM 622	Logistics Information Systems	12
IM 624	Supply Chain Management	12
IM 623	Total Quality Management	12
MS 606	Quantitative Business Analysis	12

**Module 3: Three Core Courses for both tracks (Compulsory)**

Code	Course Title	Credits
IM 640	International Trade and Business Logistics	12
IM 625	Operations Management in Logistics	12
FN 622	Investment Analysis	12

**Electives for Business Track (two courses from the following)**

Code	Course Title	Credits
IM 628	Distribution Logistics Management	12
IM 629	Public Procurement Management	12
IM 630	Inventory Management	12
IM 638	International Transport Insurance	12
IM 639	Laws and Regulations in Supply Chain Management	12
TR 651	Transport Economics	12
TR 656	International Transport Management	12

**Electives for Transport Track (two courses from the following)**

Code	Course Title	Credits
TR 634	International Transport Law	12
TR 652	Maritime Economics	12
TR 653	Inland Transport Economics and Policies	12
TR 654	Seaports and Terminal Management	12
TR 655	Logistics of Air Transport	12
TR 656	International Transport Management	12

**Module 4: 3 Months Field Internship**

Code	Course Title	Credits
IM 641	Internship	12

**Module 5: One Core Course for both tracks (Compulsory)**

Code	Course Title	Credits
MS 604	Business Research Methods	12

**Electives for Business Track (three courses from the following provided not taken in Module 3)**

Code	Course Title	Credits
IM 628	Distribution Logistics Management	12
IM 629	Public Procurement Management	12
IM 630	Inventory Management	12
IM 638	International Transport Insurance	12
IM 639	Laws and Regulations in Supply Chain Management	12
TR 651	Transport Economics	12
TR 656	International Transport Management	12

**Electives for Transport Track (three courses from the following provided not taken in Module 3)**

Code	Course Title	Credits
TR 634	International Transport Law	12
TR 652	Maritime Economics	12
TR 653	Inland Transport Economics and Policies	12
TR 654	Seaports and Terminal Management	12
TR 655	Logistics of Air Transport	12
TR 656	International Transport Management	12

**Module 4: 3 Months Field Internship**

Code	Course Title	Credits
IM 641	Internship	12

**Module 5: One Core Course for both tracks (Compulsory)**

Code	Course Title	Credits
MS 604	Business Research Methods	12

**Electives for Business Track (three courses from the following provided not taken in Module 3)**

Code	Course Title	Credits
IM 628	Distribution Logistics Management	12
IM 629	Public Procurement Management	12
IM 630	Inventory Management	12
IM 638	International Transport Insurance	12
IM 639	Laws and Regulations in Supply Chain Management	12
TR 651	Transport Economics	12
TR 656	International Transport Management	12

Electives for Transport Track (three courses from the following provided not taken in Module 3)

Code	Course Title	Credits
TR 634	International Transport Law	12
TR 652	Maritime Economics	12
TR 653	Inland Transport Economics and Policies	12
TR 654	Seaports and Terminal Management	12
TR 655	Logistics of Air Transport	12
TR 656	International Transport Management	12

#### Modules 6 and 7

Code	Course Title	Credits
IM 699	Dissertation	45
	<b>Total</b>	<b>216</b>

#### 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 four semesters comprises the following:

#### Course Mapping

Course Code	Course name	Credits
<b>Year 1</b>		
<b>Semester 1</b>		
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
<b>Semester 2</b>		
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
<b>Year 2</b>		
<b>Semester 1</b>		
<b>Code</b>	<b>Course name</b>	
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

The University of Dar es Salaam Business School (UDBS) offers the following postgraduate diplomas:

### POSTGRADUATE DIPLOMA IN MICROFINANCE (PGDMF)

#### Introduction

Most of the people involved in micro-finance activities in Africa have not had the opportunity to formally acquire the skills required to perform effectively in their job.

#### Objective

The overall objective of the programme is to contribute to the growth and efficiency of the microfinance industry through human capacity building. The course develops all basic skills (credit management, strategic and business planning, fund-raising, marketing, accounting, finance, human resources management, ICT, etc) necessary for effective performance of micro-finance practitioners.

#### Target group

The main market for PGDMF programme is the growing microfinance industry. This includes public and private sector organisations concerned with micro-finance policy, programme design, consulting, training as well as delivery. The target clients are potential and existing practitioners in the industry.

#### Structure and Mode of Delivery

The programme has 12 courses of 36 hours each. It runs on Fridays evening (5.00 p.m to 8.00 p.m), Saturdays and Sundays (8.00 a.m to 5.00 p.m) in order to accommodate working individuals.

### Admission Requirements

Applicants 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 experience (after graduation) in the Microfinance industry. Those who have no experience are required to seek attachment to microfinance institutions prior to acquiring admission into the programme.

### Duration

The programme runs for 15 months (12 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.

### Courses Offered

Module I		
Code	Course Title	Credits
EFN 502	Introduction to Microfinance	12
EFN 503	Client Recruitment and Training	12
EFN 504	Loan Appraisal, Disbursement and Delinquency management	12

### Module II

Code	Course Title	Credits
EMK 501	Marketing management	12
EMS 500	MIS.IT Development and Maintenance	12
EMK 503	Networking, Communication and Customer care	12

### Module III

Code	Course Title	Credits
EAC 502	Financial Accounting	12
HER 500	Human Resource Management	12
EMK 502	Marketing Research	12

### Module IV

Code	Course Title	Credits
EFN 505	Financial Management	12
ENT 508	Planning and Resource Mobilization	12
EHR 502	Leadership and Governance	12

## Final Project

Code	Course Title	Credits
EFN 599	Final Project	36
	<b>Total</b>	<b>170</b>

## 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:

### Module I

Code	Course Title	Credits
ENT 501	Theories of Entrepreneurship	12
ENT 500	The Environment for Business Development in Tanzania	12

ENT 502	Project Formulation (with a project)	12
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### Module II

Code	Course Title	Credits
ENT 505	Entrepreneurship Education and Training	12
ENK 500	Marketing for Small Business	12
ENT 506	Design and Management of Entrepreneurship Development Programmes	12

### Module III

Code	Course Title	Credits
EAC 500	Accounting for Small Business	12
EFN 500	Financial Management for Small Business	12
ENT 504	Consulting Skills (with a project)	12

### Module IV

Code	Course Title	Credits
ENT 508	Business Diagnosis and Counseling	12
ENT 507	Business Planning (with project)	12
ENT 509	Project Management, Monitoring and Evaluation	12

## Final Project

Code	Course Title	Credits
ENT 599	Final Project	36
	<b>Total</b>	<b>180</b>

### 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](http://aris2.udsm.ac.tz/pgoa)

### DOCTOR OF PHILOSOPHY IN OPERATIONS RESEARCH

#### Introduction

Doctor of Philosophy in Operations Research (PhD OR) 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 Title	Core/Elective	Credits
<b>Module 1</b>			
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
<b>Module 2</b>			
IM 703	Stochastic OR Methods	Core	20
IM 704	Research Methodology – Quantitative	Core	20

IM 705	OR Seminar	Core	20
<b>Module 3 (one core and two optional courses)</b>			
IM 706	Research Methodology – Qualitative	Core	20
MK 700	Marketing Management Modelling	Elective	20
IM 707	Special OR Topics in Transportations	Elective	20
IM 708	Special OR Topics in Management Information Systems	Elective	20
IM 709	Special OR Topics in Operations Management	Elective	20
FN 700	Special OR Topics in Finance	Elective	20
<b>Module 4</b>			
IM 798	Comprehensive Examination	Core	20
<b>Module 6</b>			
IM 799	Dissertation	Core	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 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](http://aris2.udsm.ac.tz/pgoa)

## UDBS STAFF LIST

### Dean's Office

#### Senior Lecturer and Dean

U. O. L. Mbamba, BScEng (Dar), MBA (Nairobi), Licentiate of Philosophy (Umea), PhD (Dar)

#### Senior Lecturer and Associate Dean

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#### Administrative Staff

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#### Lecturer and Associate Coordinator, Postgraduate Studies (MBA & PhD Programmes)

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#### Assistant Lecturer and Associate Coordinator Marketing

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### Department of Accounting

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M. Wilson, BCom MBA (Dar), CPA (T)

O. Zuberi, BCom (Dar), ACCA (UK), MBA

E. Christopher, BCom (Dar), CPA (T)

### Department of Finance

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#### Associate Professor

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### *Senior Lecturers*

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N. Mori, BCom, MBA (Dar), PhD (Agder)

### *Lecturers*

D. R. V. B. Lwiza, BCom (Dar), MBF (Finafrica, Milan), MBA (New Mexico), Dip. Econ. Sc.,  
Dip. Banking and Finance (El, Colorado), PGD Res. Meth. (Sheffield Hallam), PhD (East London)  
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T. A. Swai, BCom MBA (Dar), PGD (MSM), PhD (Dar)

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\*R. Robert, BCom, MBA (Dar)  
\*M. Ilomo, BCom, MIT (Dar)  
\*A. Abdul, BCom, MBA (Dar)  
\*G. Martin, BCom, MA (Dar)  
J. Kimario, BCom, MBA (Dar)  
\*T. Busagara, BCom, MBA (Dar)  
E. Joseph, BCom, MBA (Dar)  
\*N. Robert, BCom (Dar), CPA (T)  
G. Mkaro, BCom, MBA (Dar), CPA (T), Diploma in Tax Management (IFM)  
N. Chamkunde, BCom, MA (Dar)  
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### *Tutorial Assistants*

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R. Samson, BSc (Dar)

## **Department of General Management**

### *Senior Lecturer and Head*

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### *Assistant Lecturers*

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G. Tinali, BCom, MITL (Dar), CPSP (T)  
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## **Department of Marketing**

### *Senior Lecturer and Head*

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### *Professor*

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W. Anderson, BCom, MBA (Dar), MTEE., PhD (Balearics)

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D. Jani, BSc (SUA), MBA (Dar), PhD (Dong-A)  
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\*P. Kanje, BCom, MBA (Dar)  
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\*F. P. Okangi, BSc (BE), MIT (Dar)  
\*D. Rwehikiza, BCom, MITL (Dar)  
\*F. George, BCom (Makerere), MSc (Mzumbe)  
\*B. E. Moshy, BCom (Makerere), MA (Westminster)  
M. Minde, BCom (Dar), MIB (Dar)

\* On study leave  
\*\*On Leave without pay

*Accountants*

E. C. Mbekomize, BCom (UDSM); CPA (T)  
E. Mwakemwa  
A. Mwaipaga

*Procurement Officer*

V. Makelo

*Office Management Secretary (OMS), Dean*

C. Mbunda

*Secretary, Associate Dean*

N. Abisai

*Secretary, Postgraduate Studies*

F. Andrew

*Secretary, Accounting*

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*Secretary, Finance*

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*Secretary, General Management*

C. Muzale Adv. Dipl, Dipl. Secretarial Studies

*Secretary, Marketing*

M. Said

*Clerical Officer*

C. Andrew

*Library Assistant*

**Vacant**

*Drivers*

E. Luhala  
B. Mbuya



**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.

**POSTGRADUATE PROGRAMMES OFFERED BY UDSoL**

The University of Dar es Salaam School of law offers Postgraduate Diplomas, Master and PhD programmes in Law as indicated in the table below:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (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 Arts in Revenue Law and Administration	Taught LL.M.	Evening	24 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

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	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

**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.

**POSTGRADUATE DIPLOMA IN LAW (PGDL)**

**Admission Requirements**

To be considered for admission to this Programme, a candidate must be a holder of the degree of LL.B of the University of Dar es Salaam or an accredited University or has satisfied the requirement of the award of such degree.

**Course Structure and Examinations**

LW 300 (Jurisprudence I) and LW 306 (Jurisprudence II) shall be compulsory to a candidate who did not do that course at the undergraduate level. 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.

**SPECIALIZED POSTGRADUATE DIPLOMA IN LAW (SPGDL)**

**Introduction**

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.

### Admission Requirements

To be considered for admission to this Programme, a candidate must be a holder of a 1<sup>st</sup> 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

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)

##### Introduction

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.

##### 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 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

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.

##### Courses offered

The following courses are offered for the LL.M. Degree.

Code	Course Title	Credits
LW 604	Agency and Bailment Law	15
LW 605	Air and Space Law	15
LW 606	Arbitration and Alternative Dispute Resolution Law	15
LW 607	Banking Law	15
LW 608	Business Associations Law II	15
LW 609	Canon Law	15
LW 610	Capital Markets and Securities Law	15
LW 611	Law of Carriage	15
LW 612	Law of the Child	15
LW 613	Commercial and Consumer Transaction Law	15
LW 614	Comparative Law	15
LW 615	Competition Law	15
LW 616	Computer Law	15
LW 617	Conflict Resolution Law	15
LW 618	Construction Law	15
LW 619	Conveyancing Law	15
LW 620	Criminology and Penology	15
LW 621	Cultural Property and Antiquities Law	15
LW 622	Customary Law	15
LW 623	Entertainment Law	15
LW 624	Environmental Law	15
LW 625	Gender and the Law	15
LW 626	Health Law	15
LW 627	Hire Purchase Law	15
LW 628	Human Rights Law	15
LW 629	Insolvency Law	15
LW 630	Insurance Law	15
LW 631	Law of Economic Integration	15
LW 632	Intellectual Property Law	15
LW 633	International Humanitarian Law	15
LW 634	Law of International Organisations	15
LW 635	International Trade and Finance Law	15
LW 636	Law and the Internet	15
LW 637	Investment Law	15
LW 638	Islamic Law	15
LW 639	Labour Law	15
LW 640	Landlord and Tenant Law	15

LW 641	Local Government Law	15
LW 642	Maritime Law	15
LW 643	Media Law	15
LW 644	Law of Mortgages	15
LW 645	Natural Resources Law	15
LW 646	Law of Negotiable Instruments	15
LW 647	Planning Law	15
LW 648	Private International Law (Conflict of Laws)	15
LW 649	Refugee Law	15
LW 650	Regulatory Law	15
LW 651	Law of the Sea	15
LW 652	Social Security Law	15
LW 653	Law of Succession	15
LW 654	Tax Law	15
LW 655	Telecommunications Law	15
LW 656	Constitutional Law	15
LW 657	Law of Contract	15
LW 658	Criminal Law	15
LW 659	Legal Method	15
LW 670	Administrative Law	15
LW 671	Public International Law	15
LW 672	Land Law	15
LW 673	Law of Torts	15
LW 674	Business Associations Law I	15
LW 675	Jurisprudence	15
LW 676	Family Law	15
LW 677	Civil Procedure I	15
LW 678	Criminal Procedure I	15
LW 679	Law of Evidence I	15
LW680	Professional Ethics, Office Management and Accounting of Lawyers	15
LW 681	Advocacy Skills	15
LW 682	Law of Trusts	15

An LL.M candidate may also register for courses offered at the undergraduate level as long as he/she meets the minimum condition prescribed for the programme.

An LL.M candidate shall complete a total of four courses selected from the list provided above and each course shall have a total of 15 credits. LW 718 (Graduate Research Seminar) which comprises of 30 credits shall be a compulsory course for Master of Laws by Coursework and Dissertation at the University of Dar es Salaam School of Law. The Dissertation part of the course shall comprise

of 90 credits of the total credits for the course. The coursework component of the programme shall ordinarily be done through advanced research papers on selected topics of the selected courses.

The total credits for LL.M (Coursework and Dissertation) shall be 180 credits comprising of 90 credits from one compulsory course and four elective/optional courses and 90 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.

#### **MASTER OF ARTS IN REVENUE LAW AND ADMINISTRATION (MA. 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.

##### **Objectives of the Programme**

###### **General Objectives**

The programme at equipping students with advanced knowledge in revenue law and administration.

###### **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, customs policies and practices.

Enabling candidates make substantive and more effective contribution to tax or customs administration.

Enabling candidates to take an active an active part in tax or customs reforms.

Enabling candidates plan and implement more effective taxation or customs policies and strategies.

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 will be a full-time, 24 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

### Compulsory Courses

Code	Course Title	Credits
LW 701	Tax Policy and Theory	15
LW 704	Laws on Tax Administration	15
LW 705	International Taxation	15
LW 710	Advanced Taxation	15
MRA 600	Revenue Forecasting & Fiscal Analysis	15
PS 601	Research Methods	30
LW719	Graduate Essay	60

## Customs

### Compulsory Courses

Code	Course Title	Credits
LW 701	Tax Policy and Theory	15
LW 703	Taxes on International Trade	15
LW 704	Laws on Tax Administration	15
LW 712	Private International Trade and Finance Law	15
MRA 601	Customs Management : Theory and Practice	15
PS 601	Research Methods	15
LW 719	Graduate Essay	60

## Taxation

### Elective Courses

Code	Course Title	Credits
LW 702	Income Tax Law	15
LW 706	Indirect Taxes	15
LW 707	Capital Gains and Taxes on Property	15
LW 708	Tax Crimes : Investigations & Prosecutions	15
LW 709	Local Government Taxation	15
MRA 602	Tax Compliance and Risk Management	15

## Customs

### Elective Courses

Code	Course Title	Credits
LW 702	Income Tax Law	15
LW 706	Indirect Taxes	15
LW 708	Tax Crimes Investigations & Prosecutions	15
LW 709	Local Government Taxation	15
LW 713	Public International Trade Law	15
MRA 602	Tax Compliance and Risk Management	15

### Assessment

Coursework shall carry 40% of the overall marks and final examination shall carry 60%. Coursework should be completed at the end of the 12<sup>th</sup> week and students will do their final examination thereafter.

### 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 fulltime 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

#### Objectives of the Programme

##### *General Objectives*

To provide in-depth training on the foundations of the contemporary legal principles that govern business and corporate transactions in such a way that students will be exposed to new dimensions of corporate law and be able to continually work in the changing business environment.

##### *Specific Objectives*

To introduce new dimensions of the legal issues on corporate and business transactions.

To explain the legal and policy implications of bilateral and multilateral trading framework.

To demonstrate the trends and dynamic nature of the corporate and business 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 Research Seminar which shall have 30 credits. Graduate Essay shall carry 60 credits.

### Duration of the Programme

The Taught LL.M in Corporate and Commercial Law is a full-time, evening programme, running for a minimum of two consecutive semesters. 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 during the second semester in order to ensure that students graduate in the very year of enrolment.

### Core Courses

Code	Course Title	Credits
LW696	Advanced Corporate Law	15
LW 718	Graduate Research Seminar	30
LW 607	Advanced Banking Law	15
LW 694	Economic and Cyber Crime Law	15
LW719	Graduate Essay	60

### Elective Courses

Code	Course Title	Credits
LW697	Specialized Commercial Entities	15
LW610	The Law and Financial Markets	15
LW630	Insurance Law and Technological Developments	15
LW 615	Competition Law	15
LW 613	Advanced Transactional Law	15
	Any other taught LL.M course with advice from Programme Coordinator	15

### Assessment

Coursework shall carry 40% of the overall marks and final examination shall carry 60%. Coursework should be completed at the end of the 12th week and students will do their final examination thereafter as scheduled by the University.

## TAUGHT LL.M IN TAXATION

### Course 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.

### Structure of the Courses

The programme is structured around a total of eight (8) taught courses. These include six (6)

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. Course offering for the Taught LL.M in Taxation will appear as follows:

Six (6) compulsory courses	-	90	Credits
Two (2) elective courses	-	30	Credits
Graduate Essay	-	60	Credits
Total	-	180	Credits

Each course will be examined separately and passed at the level of B grade aggregated from the coursework and the final examination. University Examination Regulations shall apply accordingly.

**Duration:** The course shall last for 15 weeks of classroom teaching and seminars followed with two weeks of examinations.

### Compulsory Courses

Code	Course Title	Credits
LW 701	Tax Policy and Theory	15
LW 702	Income Tax Law	15
LW 703	Taxes on International Trade	15
LW 704	Laws on Tax Administration	15
LW 705	International Taxation	15
LW 706	Indirect Taxes	15
LW 719	Graduate Essay	60

### Elective Courses

Code	Course Title	Credits
LW 707	Capital Gains and Taxes on Property	15
LW 708	Tax Crimes: Investigations and Prosecutions	15
LW 709	Local Government Taxation	15
LW 710	Advanced Taxation	15
LW 711	Law of Trusts	15
LW 635	International Trade and Finance Law	15
	Any other taught LL.M course with advice from Programme Coordinator	15

### Assessment

Coursework shall carry 40% of the overall marks and final examination shall carry 60%. Coursework should be completed at the end of the 12th week and students will do their final examination thereafter as scheduled by the University.

## TAUGHT LL.M IN MIGRATION AND REFUGEE LAW

### Course Objectives

This course aims at exposing students to national regulation of international migration using the Immigration Act and the Refugees Act of Tanzania as a framework of analysis. The course will also examine topical issues in immigration management as well as the impact of treaties and protocols on population movements of which Tanzania is a member.

### Structure of the Courses

#### Coursework

The Programme consists of six compulsory courses and two electives. The compulsory courses shall be Citizenship Law (LW 683); Immigration Law (LW 684), Labour Migration Law (LW 639), Refugee Law (LW 649), Graduate Research Seminar (LW 718), and the Graduate Essay (LW 719). Elective courses will be selected from specified courses under the LL.M (Public Law) and the LL.M (Procedural Law and International Legal Practice) Programmes. With the approval of the Course Coordinator, students may also pursue up to two elective courses from the MA in Strategic Studies offered by the Department of political science and Public Administration of the College of Arts and Social Sciences, University of Dar es Salaam.

Students will be required to complete a minimum of 180 credits. Of these credits, 90 credits will be for compulsory courses, constituted by core courses and the Graduate Essay. The other 30 credits will be from optional courses. All courses shall carry 15 credits save for LW 718 (Graduate Research Seminar) which carry 30 credits and the LW 719 (Graduate Essay) which shall carry 60 credits.

Thus, course offering for the LL.M (Migration and Refugee Law) will appear as follows:

4 Core Taught Courses	60	Credits
2 Optional Courses	30	Credits
Graduate Essay	60	Credits
Graduate Research seminar	30	Credits
<b>Total</b>	<b>180</b>	<b>Credits</b>

Each course will be examined separately and passed at the level of B grade aggregated from the coursework and the final course examination. University Examination Regulations will apply accordingly.

### Duration and Programme Format

The LL.M (Migration and Refugee Law) will be a full-time one year 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 during the second semester in order to ensure that students graduate in the very year of enrolment.

### Core Courses

Code	Course Title	Units
LW683	Citizenship Law	15
LW684	Immigration Law (New)	15
LW639	Labour Migration Law	15
LW 649	Refugee Law	15
LW 718	Graduate Research Seminar	30
LW 719	Graduate Essay	60

### Elective Courses

Code	Course Title	Units
LW 677	Advanced Civil Procedure	15
LW 678	Advanced Criminal Procedures	15
LW 685	Criminal Procedures and the Protection of Individual Liberty	15
LW 628	International Human Rights Law	15
LW 656	Constitutional Law	15
LW 670	Administrative Law	15
LW 633	International Humanitarian Law	15
	Any other taught LL.M course with approval of the Programme Coordinator	15

### Assessment

Students will be assessed through two complementary methods. The first will be continuous assessment in the form of two seminar presentations on allocated topics and seminar participation which will account for 40% of the final examination. The second will be written examination which will account for 60% of the final examination.

## TAUGHT LL.M IN PROCEDURAL LAW AND INTERNATIONAL LEGAL PRACTICE

### Objectives of the Programme

#### General Objectives

The general objectives of the taught LL.M in Procedural Law and International Legal Practice are 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 the following:

To provide advanced training specific procedural issues in criminal trials and civil litigation.

To expose students to procedures applicable in proceedings before specialised branches of the High Court and other judicial bodies.

To provide trainees with knowledge of the rules, procedures and skills, for settling commercial disputes before international disputes settlement mechanisms.

To equip trainees with knowledge of rules and procedures followed before international public law bodies including regional courts, human rights bodies and international criminal tribunals.

### Structure of the Courses

#### Coursework

The Programme consists of six compulsory courses and two electives. The compulsory courses are Advanced Civil Procedure (LW 677); Advanced Criminal Procedure (LW 678), International Arbitration Law (LW 720), Procedure and Practice in Judicial Bodies (LW 691); Graduate Research Seminar (LW 718), and the Graduate Essay (LW 719).

Elective courses will be chosen from among the following: Criminal Procedure and the Protection of Individual Liberty (LW 658), Advanced Constitutional Law (LW 656), Advanced Administrative Law (LW 670), International Human Rights Law (LW 633), Advanced Law of Evidence (LW 679), and Alternative Dispute Resolution (ADR) (LW 606).

Students will be required to complete a minimum of 180 credits. Of these credits, 60 will be for core courses, the other 30 credits for optional courses. All courses shall carry 15 credits each, except the LW 718 (Graduate Research Seminar) which has 30 credits and LW 719 (Graduate Essay) which shall carry 60 credits.

Thus, course offering for the LL.M in Procedural Law and International Legal Practice will appear as follows:

4 Core Taught Courses	60	Credits
2 Optional Courses	30	Credits
Graduate Essay	60	Credits
Graduate Research Seminar	30	Credits
<b>Total</b>	<b>180</b>	<b>Credits</b>

Each course will be examined separately and passed at the level of B grade aggregated from the coursework and the final course examination. University Examination Regulations will apply accordingly.

### Duration and Programme Format

The LL.M in Procedural Law and International Legal Practice will be a fulltime one year 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 during the second semester in order to ensure that students graduate in the very year 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 720	International Arbitration Law	15
LW 718	Graduate Research Seminar	30
LW 719	Graduate Essay	60

### Elective Courses:

Code	Course Title	Credits
LW 656	Advanced Constitutional Law	15
LW 670	Advanced Administrative Law	15
LW 633	International Human Rights Law	15
LW 658	Criminal Procedure and the Protection of Individual Liberty	15
LW 606	Alternative Dispute Resolution (ADR)	15
LW 679	Advanced Evidence Law	15
	Any other taught LL.M course with advice from Programme Coordinator	15

### Assessment

Coursework shall carry 40% of the overall marks and final examination shall carry 60%. Coursework should be completed at the end of the 12th week and students will do their final examination thereafter as scheduled by the University.

### DEGREE OF DOCTOR OF PHILOSOPHY

#### Eligibility for Admission

The following shall be eligible for registration for the degree of Doctor or Philosophy:

A holder of the Master of Laws degree of this University.

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.

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)

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, LLB (Dar), LLM (Queen's), PhD (Northeastern)

*Senior Lecturer and Associate Dean*

J. Masabo, LLB, LLM (Dar), PhD (Cape Town)

*Senior Administrative Officer*

C. W. Lyimo, Cert IntDS (Oslo), BASO, MADS (Dar)

P. D. Gabriel, BA PSPA (Dar)

### Department of Public Law

*Head of Department*

S. F. Materu, LLB (Dar), LLM (UWC), Dr.jur. (Humboldt)

*Associate Professors*

L. P. Shaidi, LLB, LLM, PhD (Dar)

K. Gastorn, LLB, LLM (Dar), Dr.jur. (Bayreuth)

\*\*\* S. E. Mchome, LLB (Dar), LLM (Queen's), PhD (Dar)

\*\*\*I. H. Juma, LLB (Dar), LLM (London), MIL (Lund), PhD (Ghent)

K. C. Kamanga, LLM, PhD (Patrice Lumumba), LLM EU Law (Amsterdam)

*Senior Lecturers*

\*\* \* A. K. I. J. Mlimuka, LLB, LLM, (Dar); LLM, Dip Int Law (The Hague), Dr. jur. (Hamburg)

\*\*\* T. Ackson, LLB, LLM (Dar), PhD (Cape Town)

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*Lecturers*

\*\*\* Z. N. Lukumay, LLB, LLM, PhD (Dar)

\*\*\*D. Nangela, LLB, LLM (Dar), PhD (Cape Town)

\*I. R. Mandi, LLB, LLM (Dar)

A. Rwegasira, LLB, LLM (Dar)

*Assistant Lecturers*

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L. Eusebio, LLB, LLM (Dar)

\*H. K. Mlinga, LLB, LLM (Dar)

B. Mhozya, LLB, LLM (Dar)

\* B. Luhende, LLB, LLM (Dar)

\*S. Jaba, LLB, LLM (Dar)

### Department of Economic Law

*Associate Professor and Head of Department*

N. N. N. Nditi, LLB, LLM, PhD (Dar)

*Professors*

G. M. Fimbo, LLB (EA), LLM (London), PhD (Dar)

J. L. Kanywanyi, LLB (EA), LLM (Berkeley), PhD (Dar)



*Associate Professors*

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N. N. N. Nditi, LLB, LL.M, PhD (Dar)  
A. M. Mapunda, LLB, LL.M (Dar), PhD (Warwick)

*Senior Lecturers*

C. K. Mtaki, LLB, LL.M (Dar), PhD (Ghent)

*Lecturers*

R. A. Mwaipopo, LLB (Dar), Dip in Legal Studies (Manchester), LL.M (Manchester), PhD (Dar)  
J. Jesse, LLB, LL.M (Dar) LL.M (Notre Dame), PhD (Dar)  
S. J. Mwakaje, LLB (Dar), LL.M (Franklin Pierce Law Centre), PhD (Dar)  
S. F. Materu, LLB (Dar), LL.M (UWC), Dr. jur. (Humboldt)  
Dr. D. M. A. Shayo LL.B, LL.M ( Dar) Dr. Jur ( Konstanz)

*Assistant Lecturers*

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D. Daniel LLB, LL.M (Dar)  
E. Mshana, LLB, LL.M (Dar)  
\*M. Perfect, LLB, LL.M (Dar)  
M. Tairo, LLB, LL.M (Dar)  
T. Semu, LLB, LL.M (Dar)  
N. S. Sehewa, LLB, LL.M (Dar)  
\*E. Nyika, LLB, LL.M (Dar)  
E. Mlingwa, LL.B (Dar), LL.M (UWC)  
\*F. Kimario, LL.B, LL.M (Dar)  
H. Tumaini, LLB (Dar)

**Department of Private Law**

*Lecturer and Head of Department*

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*Professor*

C. M. Peter, LLB, LL.M (Dar), Dr.jur. (Konstanz)

*Associate Professors*

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B. T. Mapunda, LLB, LL.M (Dar), PhD (Ghent)

*Lecturers*

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T. Mwenegoha, LLB, LL.M (Dar), PhD (Bond)  
L. Mussa LL.B, LL.M PhD

*Assistant Lecturers*

C. K. K. Morris, LLB, LL.M (Dar)  
\*I. Gonzi, LLB, LL.M (Dar)  
A. Omari, LLB, LL.M (Dar)  
\*G. Kiwory, LLB, LL.M (Dar)  
\*A. J. Mwiburi, LLB, LL.M (Dar)  
\*F. Sabby, LLB, LL.M (Dar)  
N. Praygod, LLB, LL.M (Dar)  
G. Temu, LLB, LL.M (Dar)  
\*G. Samwel, LLB, LL.M (Dar)  
\*V. Buchumi, LLB, LL.M (Dar)  
A. Kaitu, LLB, LL.M (Dar)

*Tutorial Assistants*

H. Tizeba, LLB (Dar)  
P. Petro, LLB (Dar)  
P. Karia, LLB (Dar)  
T. Romwald, LLB (Dar)  
N. Filbert, LLB (Dar)

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\* On Study Leave

\*\* On Sabbatical Leave

\*\*\* On Leave of Absence/Secondment

**SCHOOL OF EDUCATION (SoED)**

**INTRODUCTION**

The School of Education offers courses for secondary school teachers and other professional education personnel. The School of Education comprises the Departments of Educational Foundations, Management, and Lifelong Learning (EFMLL), Educational Psychology and Curriculum Studies (EPCS) and Physical Education Sport Sciences (PESS) unit as well as the Center for Educational Research and Professional Development (CERPD).

**POSTGRADUATE PROGRAMMES OFFERED BY THE SCHOOL OF EDUCATION**

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	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	24 months	3,900,000	6,150
	Master of Education in Language Education (MEDLED)	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

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	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 (MA. ED) FULLTIME**

**Admission Requirements**

To be considered for admission into this Programme, a candidate must be a holder of the Bachelor Degree in Education of the University of Dar es Salaam or an institution of higher learning recognized by the University of Dar es Salaam and/or Tanzania Commission for Universities (TCU).

**Structure and Duration**

**Coursework and Dissertation**

The students are expected to complete the programme in 18 Months. The entire programme requires a student to take a maximum of **180** credits.

Seven (7) compulsory courses, each with twelve (12) credits, totaling 84 credits

Three (3) optional courses, each with twelve (12) credits, totaling 36 credits

Dissertation with 60 credits

**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 & Teaching	12
EF 621	Comparative Education	12
AE 620	Adult Learning	12
EP 624	Theories of Teaching and Learning	12
FE 699	Dissertation	60
<b>Total</b>		<b>144</b>

**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	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	Eviromental education	12
AE621	Open and Distance Learning	12
PE 622		12
Sports Economics and Marketing		
EP 624	Theories of Teaching and Learning	12
AE 622	Management and Financing Adult Education	12

**Assessment/Evaluation**

Continuous assessment (CA) - 50%

Final University Examination (UE) - 50%

Dissertation-Graded

**MASTER OF ARTS IN EDUCATION (MA.ED.) EVENING****Admission Requirements**

To be considered for admission into this Programme, a candidate must be a holder of the Bachelor Degree in Education of the University of Dar es Salaam or an institution of higher learning recognized by the University of Dar es Salaam and/or Tanzania Commission for Universities (TCU).

**Structure and Duration**

The students are expected to complete the programme in 18 Months. The entire programme requires a student to take a maximum of **180** credits. Seven (7) compulsory courses, each with twelve (12) credits, totaling 84 credits Three (3) optional courses, each with twelve (12) credits, totaling 36 credits, dissertation with 60 credits

**Table 1: Core Courses**

Code	Course Title	Credits
FE 600a	Research Methods in Education I	12
FE600b	Research Methods in Education II	12
EA 621	Policy Planning and Administration	12
CT 640	Curriculum & Teaching	12

EF 621	Comparative Education	12
AE 620	Adult Learning	12
EP 624	Theories of Teaching and Learning	12
FE 699	Dissertation	60
<b>Total</b>		<b>144</b>

**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	Course Title	Credits
EA 622	Management of Educational Institutions and Projects	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
AE 620	Adult Learning	12
EP 609	Career and Occupational Psychology	12
PE 622		12
Sports Economics and Marketing		
AE 621	Open and Distance Learning	12
AE 622	Management and Financing Adult Education	12

**Assessment/Evaluation**

Continuous assessment (CA) - 50%

Final University Examination (UE) - 50%

Dissertation-Graded

**MASTER OF EDUCATIONAL MANAGEMENT AND ADMINISTRATION (MEMA)****Admission Requirements**

To be considered for admission into this Programme, a candidate must be a holder of the Bachelor Degree in Education of the University of Dar es Salaam or an institution of higher learning recognized by the University of Dar es Salaam and/or Tanzania Commission for Universities (TCU).

**Structure and Duration**

The students are expected to complete the programme in 18 Months. The entire programme requires a student to take a maximum of **180** credits.

Seven (7) compulsory courses, each with twenty four (12) credits, totaling 84 credits

Three (3) optional courses, each with twelve (12) credits, totaling 36 credits

Dissertation with 60 credits

**Table 1: Core Courses**

Code	Course Title	Credits
FE 600 A	Research Methods in Education I	12
FE 600 B	Research Methods in Education II	12
EA 624	Educational Policy Making & Policy Analysis	12
EA 625	Educational Planning, Programme/Project design and Evaluation	12
EA 626	Economics of Education & Financing	12
EA 627	Management of Education Systems and Institutions	12
EA 628	Quality Assurance and control in Education	12
FE 699	Dissertation	60
<b>Total</b>		<b>144</b>

#### 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	Course Title	Credits
EA 608	Quality Assurance & Quality Control in Education	12
EA 605	Educational Planning, Programme/Project Design and Evaluation	12
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

#### Assessment/Evaluation

Continuous assessment (CA) - 50%

Final University Examination (UE) - 50%

Dissertation-Graded

## MASTER OF EDUCATIONAL MANAGEMENT AND ADMINISTRATION (MEMA) EVENING

#### Admission Requirements

To be considered for admission into this Programme, a candidate must be a holder of the Bachelor Degree in Education of the University of Dar es Salaam or an institution of higher learning recognized by the University of Dar es Salaam and/or Tanzania Commission for Universities (TCU).

#### Structure and Duration

The students are expected to complete the programme in 18 Months. The entire programme requires a student to take a maximum of **180** credits.

Seven (7) compulsory courses, each with twelve (12) credits, totaling 84 credits

Three (3) optional courses, each with twelve (12) credits, totaling 36 credits

Dissertation with 60 credits

**Table 1: Core Courses**

Code	Course Title	Credits
FE 600 a	Research Methods in Education I	12
FE 600 b	Research Methods in Education II	12
EA 624	Educational Policy Making & Policy Analysis	12
EA 626	Economics of Education & Financing	12
EA 627	Management of Education Systems and Institutions	12
EA 628	Quality Assurance and control in Education	12
EA 625	Educational Planning, Programme/Project Design and Evaluation	12
FE 699	Dissertation	60
<b>Total</b>		<b>144</b>

#### 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	Course Title	Credits
		12
FE 620	Business and Entrepreneurial Education	12
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

### Assessment/Evaluation

Continuous assessment (CA) - 50%  
Final University Examination (UE) - 50%  
Dissertation-Graded

### MASTER OF ARTS IN APPLIED SOCIAL PSYCHOLOGY (MA. ASP)

#### Admission Requirements

To be considered for admission into this Programme, a candidate must be a holder of the Bachelor Degree in Education, Sociology, Psychology, Religion and related fields of the University of Dar es Salaam or an institution of higher learning recognized by the University of Dar es Salaam and/or Tanzania Commission for Universities (TCU).

#### Structure and Duration

The students are expected to complete the programme in 24 Months. The entire programme requires a student to take a minimum of 192 credits.

Seven (7) compulsory courses, each with twelve (12) credits, totaling 84 credits

Three (3) optional courses, each with twelve (12) credits, totaling 36 credits

One (1) practicum course with 12 credits

Dissertation with 60 credits

**Table 1: Core Courses**

Code	Course Title	Credits
FE 600a	Research Methods in Education I	12
FE 600b	Research Methods in Education II	12
EP 622	Social and Personality Psychology	12
EP 625	General Psychology	
EP 624	Theories of Teaching & Learning	12
EP 626	Community Guidance and Counseling	12
EP 628	Community Psychology & Mental Health	12
EP 627	Practicum to Counseling	12
FE 699	Dissertation	60
<b>Total</b>		<b>144</b>

#### 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	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 & Quality of Life	12
EP 613	Gender Psychology	12
PE 622	Sports Economics and Marketing	12

### Assessment/Evaluation

Continuous assessment (CA) - 50%  
Final University Examination (UE) - 50%  
Dissertation-Graded

### MASTER OF EDUCATION IN SCIENCE EDUCATION (M.ED SCIENCE EDUCATION)

#### Admission Requirements

To be considered for admission into this Programme, a candidate must be a holder of the Bachelor Degree in Education with Science or Bachelor of Science with Education of the University of Dar es Salaam or an institution of higher learning recognized by the University of Dar es salaam and/or Tanzania Commission for Universities (TCU).

#### Structure and Duration

#### Course work and Dissertation

The students are expected to complete the programme in 18 Months. The entire programme requires a student to take a maximum of 204 credits.

Seven (7) compulsory courses, each with twelve (12) credits, totaling 84 credits

Three (3) optional courses, each with twelve (12) credits, totaling 36 credits

Dissertation with 60 credits

**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 & 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
<b>Total</b>		<b>144</b>

### 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	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

### Assessment/Evaluation

Continuous assessment (CA) - 50%

Final University Examination (UE) - 50%

Dissertation-Graded

## MASTER OF EDUCATION IN LANGUAGE EDUCATION (M.ED LED)

### Admission Requirements

To be considered for admission into this Programme, a candidate must be a holder of the Bachelor Degree in Education or Bachelor of arts with Education of the University of Dar es Salaam or an institution of higher learning recognized by the University of Dar es Salaam and/or Tanzania Commission for Universities (TCU).

### Structure and Duration

#### Course work and Dissertation

The students are expected to complete the programme in 18 Months. The entire programme requires a student to take a maximum of 192 credits.

Ten (10) compulsory courses, each with twelve (12) credits, totaling 120 credits

Two (2) optional courses, each with twelve (12) credits, totaling 24 credits

Dissertation with 48 credits

**Table 1: Core Courses**

Code	Course Title	Credits
FE 600 a	Research Methods in Education	12
FE 600 b	Research Methods in Education	12
CT 640	Curriculum & 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
	Production and Evaluation of language Teaching and Learning Materials	12
CT 628	Early Years Language Teaching and Literacy Development	12
FE 699	Dissertation	48
<b>Total</b>		<b>168</b>

### 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	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

### Assessment/Evaluation

Continuous assessment (CA) - 50%

Final University Examination (UE) - 50%

Dissertation-Graded

## POSTGRADUATE DIPLOMA IN EDUCATION (PGDE)

### Admission Requirements

To be considered for admission into this Programme, a candidate must be a holder of non-Education Bachelor Degree or an advanced Diploma of the University of Dar es Salaam or an institution of higher learning recognized by the University of Dar es Salaam and/or Tanzania Commission for Universities (TCU).

## Structure and Duration

### Course work and practicum

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
<b>Total</b>		<b>132</b>

**Table 2: Electives/Option 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

### Assessment/Evaluation

Continuous assessment (CA) - 50%

Final University Examination (UE) - 50%

## DOCTOR OF PHILOSOPHY (PhD) IN EDUCATION BY THESIS

The School of Education offers a PhD degree by research. An applicant to a PhD degree shall have a Master's degree in Education or its equivalent from a recognized university. The registration of a candidate for a doctoral degree takes place in two stages. In the first stage of the registration, a candidate submits a concept paper to the School offering the degree. The relevant research and postgraduate degree committee assess this and then the candidate is allocated a supervisor. The supervisory committee advises the candidate on development of a research proposal detailing the research that the candidate intends to do. Once the proposal is approved, a candidate is formally assigned supervisors, and in consultation with them the candidate prepares a refined proposal for the second stage of the registration. Once the proposal is approved, the candidate is expected to work closely with the supervisors and must complete the thesis within six years. Upon successful completion of the thesis and passing the oral examination, candidates shall be awarded the Degree of Doctor of Philosophy in Education of the University of Dar es Salaam. Failure to complete within the period may lead to the cancellation of the registration unless satisfactory explanation is provided.

## DOCTOR OF PHILOSOPHY (PhD) IN EDUCATION BY COURSEWORK AND DISSERTATION

### Admission Requirements

A candidate for admission into the PhD degree programme of UDSM, shall hold the following qualifications:

A master's degree in education from UDSM or an equivalent Master's degree from a recognized institution of higher learning; or candidates with an Upper Second Class Bachelor's degree or holders of a distinction in the case of unclassified degrees may also be considered for PhD admission. Such candidates must initially register for the Master's degree and complete at least one full year's postgraduate training. If they demonstrate outstanding performance and obtain the authorization of the Senate on the recommendation of the relevant College, School or Institute Board and the Senate Postgraduate Studies Committee (SPSC), they may upgrade their registration to PhD candidacy.

### Structure and Duration

#### Coursework and Dissertation

The students are expected to complete the programme in 48 Months. The entire programme requires a student to take a minimum of **720** credits.

Four (4) core courses, each with twenty four (24) credits, totaling 96 credits

Six (6) specialized courses, each with twenty four (24) credits, totaling 144 credits

Comprehensive Examination (one semester) with 0 credits

Dissertation with 480 credits

Course Title	Code	Credit
<b>Core Courses</b>		
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
<b>Specialized Courses</b>		24
<b>ADULT AND COMMUNITY EDUCATION</b>		24
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
<b>CURRICULUM AND TEACHING</b>		24
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
<b>LANGUAGE EDUCATION</b>		24
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
<b>EDUCATIONAL MANAGEMENT AND POLICY STUDIES</b>		24
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
<b>EDUCATIONAL FOUNDATIONS</b>		24
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
<b>EDUCATIONAL PSYCHOLOGY</b>		24
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
<b>EDUCATIONAL GUIDANCE AND COUNSELING</b>		24
Theories of Counseling	SE 760	24
Advanced Methods and Skills of Counseling	SE 761	24
Counseling and Culture	SE 762	24
<b>PHYSICAL EDUCATION AND SPORTS SCIENCES</b>		24
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
<b>YOUTH, GENDER, EDUCATION AND DEVELOPMENT</b>		24
Youth and young adults studies and education (Core )	SE 780	24
Vocational Education and Training for Youth Skills Development and Employment (Core)	SE781	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

**Assessment/Evaluation**

Continuous assessment (CA) - 50%

Final University Examination (UE) - 50%

Dissertation-Graded



## STAFF LIST SCHOOL OF EDUCATION (SoED)

### **Office of the Dean**

#### *Senior Lecturer and Dean*

H. A. Dachi, B.A. (Ed.), M.A. (Dar), PhD (Bristol)

#### *Lecturer and Associate Dean*

B. K. Kanukisya, Cert. Ed. IIIA (Tukuyu TC), Dip in Ed. (Mtwara TC), BED (ADE) (Dar), M.Phil. CIE, PhD (Oslo)

#### *Lecturer and Coordinator of postgraduate studies*

J. S. Ndabi, Dip. Ed. (Dar TC), B.Ed., M.A. (Ed.) (Dar), PhD (Essex)

#### *Office Management Secretary - III and Secretary to the Dean*

P. Lema, Advanced Computer (BICO), Office Management (IFM), Certificate (TPSC)

#### *Office Management Secretary- III and Secretary to the Associate Dean*

E. C. Ngaiza – Secretarial Course (TPSC), Cert. Office Management (TPSC), Cert. Advanced Computer (BICO- UDSM), Dip. in Secretarial Studies (Tanzania Public Service College)

#### *Principal Administrative Officers*

P. Muga, BA., MA (Dar)

#### *Higher Clerical Officer*

M. Juma, BBA (OUT) (DSM), MBA (Dar)

### **Department of Educational Psychology and Curriculum Studies**

#### *Senior Lecturer and Head of Department*

M. S. Vuzo, Dip. Ed. (Marangu TC), B.A. (Ed.) (Dar) M.Phil., PhD (Oslo)

#### *Office Management Secretary - III and Secretary to the Head*

E. Magoma, Diploma in Business Admin. (Cambridge International- Dar), Cert. in Secretarial Course (IFM)

#### *Professors*

A. Njabili, BSc. (Ed.) (EA), M.Ed. (California), PhD (Hull)

#### *Associate Professors*

A. S. Mbise, B.A. (Ed.), M.A. (Dar), M.A. (Columbia), PhD (Alberta)  
M. K. Possi, Dip. (Ed.), B.A. (Ed.), M.A. (Dar), M.A. (Special Ed.) (Ball State); PhD (Ohio State), Post Doc. Social Medicine (Harvard)  
\*\*\*K. A. K. Mkumbo, BSc. (Ed.), M.A. (ASP) (Dar), PhD (Southampton)

#### *Senior Lecturers*

R. Sima, Dip. Ed., B.A. (Ed.) (Dar), M.A. (Counselling) (Keele), PhD (Manchester)  
\*\*\*F.N. Tilya, BSc. (Dar), Post Grad. Dipl. Elect (Eindhoven), MSc. (Eng.) (Carleton), MSc., PhD (Twente)  
E.J. Kafanabo BSc. (Ed.) (Dar), MSc. (Ed.) (Twente), PhD (Pretoria)  
M. Vuzo, B.A. (Ed.) (Dar), M.Phil., PhD (Oslo)  
J.K. Katabaro, Dip. Ed (Dar TC), B.Ed., M.A. (Dar), Ph. D (Cambridge)

#### *Lecturers*

M. W. Mboya, B.A. (Ed.), M.A. (Arizona), PhD (Alberta)  
W. Maro, Dip. Ed (Dar TC), B.Ed (Sc.), M.Ed. (Sc.) (Dar), PhD. (Southampton)  
\*\*\*V.N. Anney, Dip. Ed., B.Ed, M.Ed. (Sc.) (Dar) Ph D (Waikato)  
C. Mauki, B.A. (Ed.), M.AASP (Dar)PhD (Pretoria)  
Y.M. Magong'ho, B.A. (Ed. Psych.) M.A.ASP (Dar) PhD (Leeds)  
Dr. R. Shukia, Dip. Ed. (Mpwapwa TC), B.Ed. (Psych. h.), M.AASP (Dar) PhD (Linnaeus)  
I. Nzima, B.A. (Dar), PGDE, M.A. (Ed.) (Dar) PhD (Linnaeus)  
\*A. Kimaro, Dip. Ed. (Mpwapwa), B.Ed., M.A. (Ed.) (Dar)  
\*S. E. Kisanga, B.Ed. (Psych.), MAASP (Dar)  
\*J. Mkongo, B.Ed. (Psych.), MAASP (Dar)  
\*B. Rushahu, Cert. in Ed. Grade IIIA (Korogwe TC), B.Ed. (Psych.), M.A (Ed.) (Dar)  
\*S. Lyakurwa, B.Ed. (Psych.), MAASP (Dar)  
\*J. Abdallah, B.Ed. (Arts), M.A. (Linguistics) (Dar)  
\*L. Morwo, B.Ed. (Sc.), M.ED (Sc.) (Dar)  
B. Kayombo, B.Ed. (Psych. h.), MAASP (Dar)  
A.P. Tarmo, B.Ed. (Sc.), M.ED. (Sc.) (Dar)  
\*L. S. Sanga, Diploma (Ed) (Morogoro T.T.C), B.Ed. (Psych.) (Dar) MAASP (Dar)  
N. Ndunguru, Diploma (Ed) (Morogoro T.T.C), B.Ed (Psych) (Dar), MAASP (Dar).  
\*G. Emmanuel, BAED, (Dar) M.A (Kiswahili) (Dar).

#### *Tutorial Assistants*

H. S. Mwinyikondo, B.Ed. (ECE) (Dar)  
E. Daudi, B.Ed. (Psych.) (Dar)  
I. Charles, B.Ed. (ECE) (Dar)  
\*B. Mbata, BSc.Ed (Dar)  
\*P. Gabriel, B.Ed. (Psych.) (Dar)  
\*J. Nkwamah, Bsc.CEIT (Dar)

#### *Technicians*

\*P. Pesambili, F.T.C. (DIT), BSc. (Dar)  
S. Mwakalobo, F.T.C (DIT), B.Ed. (Dar) Masters (MIEM) (Dar)

#### *Senior Artisan*

D. Marandu, VETA (Morogoro)

#### *Support Staff for Special Education*

A. Nsimbila, BSc. (Ed.) (Dar), Cert. in Special Educ. The Blind (Tabora T.T.C), M.A.(Education) (OUT)  
J. Mbago, Dip. Ed. (Monduli T.T.C), Cert. in Special Educ. The Blind (Patandi T.T.C), B.Ed. (Special Needs) (Sebastian Kolowa,)  
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,)  
T. E. Shayo, Cert. Sign Language (CHAVITA)

#### *Primary School Teachers*

R. M. Mahendeka Cert. Edu Grade III A (Murutunguru TC)  
F. D. Mabada Cert. Edu Grade IIIA (Bunda TC)  
F. H. Lupogo Cert. Edu Grade IIIA (Nachingwea TC)

L. S. Burchard Cert. Edu Grade IIIA (Katoke TC)  
M. A. Chengullah Cert. Edu Grade IIIA & Special Educ. Intellectual impairment (Patandi, TC)  
K. M. Mrisho Cert. Edu Grade III A (Ilonga TC)  
F. Karara Cert. Edu Grade IIIA (Ilonga TC)  
M. J. Lazaro Cert. Edu Grade IIIA (Kasulu TC)  
M. J. Mkwizu Cert. Edu Grade IIIA (Eukenford TC)  
M. K. Mbwambo Cert. Edu Grade III A (Mhonda TC)  
C. S. Chunga Cert. Edu Grade III A (Mpwapwa TC)  
C. R. Shija Cert. Edu Grade IIIA (Kindercare TC)  
P. K. Cert. Edu Grade IIIA (Ndala TC)  
S. M. Masiku Cert. Edu Grade IIIA (Eukenford TC) Cert. Basic Technician in Information Technology (DIT)

*Mlimani Pre-School*

H. K. F. Mponji, Dip. Ed. (Marangu TC), B.A. (Ed.), M.A. (Ed.) (Dar)  
M. Anicet, Cert. Grade IIIA (Tabora TC), Cert. Early Childhood Dev. (St. Mary's TC.) Dip. (Special Needs). (Patandi TC)  
S. J. Ibrahim, Cert. Grade IIIA (Kinampanda TC), B.A (Education) (Dar)  
S. I. Muhijeu, Cert. Grade IIIA (Monduli TC), Cert. Early Childhood Dev (Butimba T.T.C), Dip. Ed (Korogwe TC), B.Ed (Psych) (Dar)  
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).

**DEPARTMENT OF EDUCATIONAL FOUNDATIONS, MANAGEMENT AND LIFELONG LEARNING**

*Senior Lecturer and Head of Department*

J. M. Ishengoma, B.A. (Ed.), M.A. (Ed.) (Dar), PhD (SUNY, New York)

*Typist and Secretary to the Head*

A. S. Mduli, Cert. in Secretarial (NABE- Stage I), Adv. Computer (BICO- Dar)

*Professors*

A. G. Ishumi, B.A. (EA), Ed.M. (Harvard), PhD (Dar)  
H. J. Moshia, B.A. (Ed.), M.A. (Dar), PhD (Alberta), Dr. Honoris Cause (NUSPE,Oslo)  
J. C. J. Galabawa, BSc. (Ed.), M.A. (Dar), MSc. (Econ.) (The Hague), PhD (Alberta)  
P. A. K. Mushi, Dip Ed., (Morogoro), B.Ed, M.A. (Ed.) (Dar) PhD (Southampton)

*Associate Professors*

V. M. Mlekwa, Dip. in Adult Education (IAE), B.Ed., M.A. (Dar), PhD (Alberta)  
E. P. Bhalalusesa, Dip. in Adult Ed. (IEA), B.Ed., M.A. (Dar), Ed.D (Bristol)  
W. A. L. Anangisyse, B.A. (Ed.), M.A. (Ed.) (Dar), PhD (Edinburg)

*Senior Lecturers*

H. A. Dachi, B.A. (Ed.), M.A. (Dar), PhD (Bristol)  
J. M. Ishengoma, BA.(Ed.),MA.(Dar), PhD (SUNY, New York)  
A. Komba, Dip. Ed. (Kleruu), B.Ed. (Sc.) Dar, M.A. (Ed.) (Dar), PhD (Bath).

*Lecturers*

B. K. Kanukisya, Cert. Ed. IIIA (Tukuyu TC), Dip. Ed. (Mtwara TC), BED (ADE) (Dar), M.Phil CIE, PhD (Oslo)  
T. Biswalo, B.A. (Southern University), M.A., PhD (Illinois, UC)  
G. L. Kahangwa, Cert. Ed. IIIA (Korogwe TC), B.A. (Ed.), M.A. (Ed.) (Dar). PhD (Bristol)  
L. Mahai, Dip Ed., (Morogoro), B.Ed. (ADE), M.A. (Ed.) (Dar) PhD (Edinburgh)  
M.J.D. Mwaikokesya, Dip. ADE (IAE), B.Ed., M.A. (Ed.) (Dar), PhD (Glasgow)  
A.N. Kamando, Cert. Ed. IIIA (Mandaka TC), Dip. Ad. Ed. (IAE), B.Ed. ADE, M.A. (Ed.) (Dar), PhD (Glasgow)  
A. Sarakikya, Dip. Ed. (Monduli), B.A. (Ed.), M.A. (Ed.) (Dar), PhD (Pretoria)  
P. L. Sanga, Dip. Ed. (Chang'ombe TC), B.Ed ADE. (Dar), M.A. (Ed.) (Dar), PhD (Hanyang)  
H. Magosho, B.Ed., M.A. (Ed.) (Dar), PhD (East China Normal University)  
F. Matiba, Dip. Ed. (Butimba), B.Ed. (ADE), M.A. (Ed.), PhD (Dar)  
M. Matonya, Dip Ed., (Morogoro), B.Ed. (ADE), M.A. (Ed.) (Dar) PhD (Jyvaskyla)  
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 (Leipzig)

*Assistant Lecturers*

\*R. K. Hyera, Dip. Ed. (Korogwe), B.Ed. (Arts), M.A. (Ed.) (Dar)  
\*B. Mbughi, B.Ed. (ADE), M.A. (Ed.) (Dar)  
\*Y. S. William, B.Ed. (Com.), MEMA (Dar)  
\*M. A. Mislai, Dip. Ed. (Marangu), B.A. (Ed.), MEMA (Dar)  
\* J. Pesambili, B.A. (Ed.) (Dar) MA (Ed) Dar  
\*P. Simon, B.Ed., MEMA (Dar), MEMA (Dar)  
\*A. Anania, Dip. Ed. (Mpwapwa TC), B.Ed. (Arts), MEMA (Dar)  
J. Bachilula, B.Ed. (Arts), MEMA (Dar)

**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*

E. M. Mbotto – Secretarial Course (NBC-IFM), NABE Management Course (NBC, IFMM), Office Management (BICO, Dar), Cert. in Law (UDSM).

*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), PhD (Kenyatta)

*Lecturers*

C. N. Maro, B.Ed. (PESC) (Dar), MSc. (NUSPE), Dip. Soccer Coaching (NUSPE), PhD (NSSS, Oslo)  
J. Tiboroaha, B.Ed. (PESC) (Dar), MSc. (NUSPE), PhD (Dar)  
D. J. Marwa, Dip. Ed. (Marangu TC), B.Ed. (PESC), M.A. (Ed.) (Dar), PhD (Dar)  
J. S. Ndabi, Dip. Ed. (Dar TC), B.Ed., M.A. (Ed.) (Dar), PhD (Essex)  
I. N. Pangani, Dip. Ed. (Monduli TC), B.Ed. (PESC), M.A. (Ed.) (Dar), PhD (Kenyatta)

J. D. Kazungu, Dip. Ed. (Morogoro), B.Ed. (PESC), M.A. (Ed.) (Dar) PhD (Linnaeus)

*Assistant Lecturers*

J. Siayi, B.Ed. (PESC) (Dar), M.A (Ed.) (Dar)

J. Mlay, B.Ed. (PESC), MAASP (Dar), M.Phil SEN (Oslo)

\*\*\*D. Ngarina, B.Ed. (PESC) (Dar), M.A (Ed.) (Dar)

A. Shao, B.Ed. (PESC) (Dar), M.A (Ed.) (Dar)

*Technical Staff*

D. Vicent, Cert. Mechanical (Dar), (Dip. Comp. Science) (Dar)

**SCHOOL OF JOURNALISM AND MASS COMMUNICATION (SJMC)**

**INTRODUCTION**

The School of Journalism and Mass Communication was born out of the former Tanzania School of Journalism (TSJ), which was established under the UDSM Act No. 12 of 1970, which accordingly, revoked the TSJ Act. This move has enabled the School to offer degree programmes in Journalism, Mass Communication as well as Public Relations and Advertising.

**POSTGRADUATE PROGRAMMES OFFERED BY SJMC**

The School of Journalism and Mass Communication offers the following postgraduate programmes:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	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	24 months	5,200,000	3,360 per year
	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 to pursue areas of mass communication but have not taken a relevant degree programme.

**The general objectives of the course:**

- (a) To provide specialized training in specific fields of Mass Communication.
- (b) To enhance competence and skills in specialized areas of Mass Communication, Journalism, Public Relations and Advertising.
- (c) To 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 recognized University; OR
- (b) Posses 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 duration of two academic years. The evening programme is suited for candidates who cannot manage to undertake fulltime studies.

### Examination regulations

In addition to general University examination regulations, the following Examination Regulations shall apply:

Each course shall be subjected to a final examination at the end of the semester/course.

- a) The final examination shall contribute 50% to the final grade of a course and the continuous assessment shall contribute 50%.
- b) 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.
- c) 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.
- d) 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.
- e) The minimum attainable grade in a supplementary examination shall be “B”.
- f) 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.
- g) 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.

The project shall carry a total of 3 units and will comprise 20% of the course work.

### Semester 1

Candidates will be required to take at least 18 units from the following courses:

#### Core Courses

Code	Course Title	Units
CO 500	Introduction to Mass Communication Theory	3
CO 502	Writing for the Media	3
CO 503a	Radio Broadcasting	3
CO 503b	Television Broadcasting	3
CO 505	Photojournalism	3
CO 506	Media Law	3
CO 510	Public Relations and Advertising	3

#### Optional Courses

Code	Course Title	Units
CO 501	Journalism Issues and History	3
CO 504	Editing, Layout and Graphics	3

### Semester 2

Candidates will be required to take at least 18 units from the following courses:

#### Core courses

Code	Course Title	Units
CO 507	Journalism Ethics	3
CO 508	Mass Communication Research	3
CO 511	Media Management	3
CO 513	Advanced Print Journalism	3
CO 514	Advanced Broadcast Journalism	3
CO 515	Advanced Public Relations and Advertising	3
CO 599	Research Report	6

#### Optional Courses

Code	Course Title	Units
CO 509	Public Information Programme	
CO 512	Specialized Writing	

## 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 18 units of the following courses:

##### Core Courses

Code	Course Title	Units
CO 500	Introduction to Mass Communication Theory	3
CO 502	Writing for the Media	3
CO 503a	Radio and Television	3
CO 503b	Television Broadcasting	3
CO 501	Journalism Issues and History	3
CO 504	Editing, Layout and Graphics	3

#### Semester 2

Candidates are required to take at all 18 units

Code	Course Title	Units
CO 505	Photojournalism	3
CO 506	Media Law	3
CO 510	Public Relations and Advertising	3
CO 507	Journalism Ethics	3
CO 509	Public Information Programme	3
CO 511	Media Management	3
CO 512	Specialized Writing	3

### Year 2

#### Semester 1

Code	Course Title	Units
CO 508	Mass Communication Research	3
CO 513	Advanced Print Journalism	3
CO 514a	Advanced Radio Broadcast	3
CO 514b	Advanced Television Broadcasting	3
CO 515	Advanced Public Relations and Advertising	3
CO 599	Research Report	6

## 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 recognized 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 recognized 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 is also 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 46 units and maximum of 48 units. Students need to take four (4) core courses and a minimum 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 12 units and is graded.

### Assessment/Evaluation

Coursework 50%

Final Examination 50%

### Courses

#### Semester 1

##### Core Courses

Code	Course Title	Units
CO 600	Communication Theory	3
CO 601	Research Methods in Mass Communication	3
CO 602	Media Gender and Society	3
CO 603	Writing for Mass Media	3

**Semester 1****Elective Courses**

Code	Course Title	Units
DS 610	Issues in Development	2
CO 604	International Media Systems	3
CO 605	Corporate Communication	3
CO 606	Media in East Africa	3

**Semester 2****Core Courses**

Code	Course Title	Units
CO 607	Media Ethics	3
CO 608	Media Laws and Policies	3
CO 609	Media Management and Economics	3
CO 610	New Media Technologies	3

**Semester 2****Elective Courses**

Code	Course Title	Units
DS 611	Colloquium on Media and Development	3
CO 612	Media and Democracy	3
CO 613	Media Criticism	3
CO 614	Masters Project	3

**Core Course**

Code	Course Title	Units
CO 669	Dissertation	12

**SJMC STAFF LIST***Senior Lecturer and Dean*

M. Andindilile, Dip. Jour. (Evelyn Hone), BA, MA (Dar), MA (City, London), MPhil, PhD (Fordham)

*Associate Dean*

D. Kaijanangoma, Cert. Ed. IIIA (Katoke), Dip. Ed. (Marangu), BA (SAUT), MA (Daystar), PhD (Moi)

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K. Gidion, BEd, MA (Dar), PhD (SAUT)

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\*N. Mfaume, BA (Islamic Univ., Uganda), PGD (Dar), MA (Makerere)

Z. Selemani, BA (Dar), MA (Peace)

M. Mtuwa, MAPPF (USSR)

\*E. Ngelela, BA, MA (Dar)

\*I. Athumani BA, MA (Dar)

\*M. Zacharia, BA (Dar), MA (Daystar)

S. Ndibalema, BA, MA (Dar)

J.K. Rugaika, BA (Dar), MAIPR (Cardiff)

A. Benson, BA, MA (Dar)

\*E. Mkocho, BA (Dar), MA (Rhodes)

\*D. P. Kuhenga, BA, MA (Dar), MA (Rhodes)

S. A. Hussein, BA, MA (Dar)

*Tutorial Assistants*

G. Malisa, BA (Dar)

D. Shayo, BA (Dar)

V. Baden, BA (Dar)

*Senior Instructor*

E. Solomon, BA (Makerere), MA (Tampere), PhD (Berlin)

*Studio Instructors*

S. Chungu, FTC, BENG (DIT), PGDSc (Dar)

D. Ishengoma, BA, MA (Dar)

R. Muniko, BA, MA (Dar)

Z. George, BA, MA (Dar)

*Senior Artisan*

R. Kitwana, CertJourn, DipJourn (TSJ)

*Mlimani Media Producers/Reporters/Co-ordinators*

\*\*\*H. Ndambaya, PGD (Dar)

\*\*\*S. Mwehozi, BA (Dar)  
 A. Mgeni, BA (Dar)  
 H. Mushi, BA (Dar)  
 A. Mkama, BA (Dar)  
 S. Mustapher, BA, MA (SAUT)

*Principal Administrative Officer*  
 M. P. Bwathondi, B.Com, MBA (Dar)

*Accountant*  
 G. Sanga, CPA (T), MBA, 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, BSc (Dar)

\* On study Leave  
 \*\*\*On Leave of Absence/Secondment

## C. INSTITUTES

### INSTITUTE OF DEVELOPMENT STUDIES (IDS)

#### INTRODUCTION

Postgraduate Degree Programmes offered by the Institute of Development Studies are:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	Master of Arts in Development Studies	Coursework and Dissertation	Fulltime	15 months	4,500,000	6,030
	Master of Arts in Development Management	Coursework and Dissertation	Fulltime	15 months	4,500,000	6,030
	Master of Arts in Gender Studies	Coursework and Dissertation	Fulltime	15 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

#### Objectives of the Programmes

Postgraduate programmes at IDS aims at critically analyzing development theories and experience across countries and evaluate macro and sector level strategies of development. They also develop students' capacity to conduct development research effectively and advance knowledge on development based on research findings.

#### Structure and Duration

The M.A. programmes by course work at IDS last fifteen months, nine for coursework and six for Dissertation. Coursework comprises minimum of 120 Credits from both core and elective courses. Dissertation consists 40 Credits. Candidates are required to successfully complete the coursework 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/Elective	Credits
DS 622	Development Theory	Core	12
DS 661	Political Thought for Development	Core	12
DS 690	Research Methodology I	Core	12
DS 646	Environment and Development	Elective	12
DS 647	Science and Technology for Development	Elective	12
DS 648	Population and Development	Elective	12

### Semester II

Code	Course Title	Core/Elective	Credits
DS 629	Political Economy	Core	12
DS 663	Governance and Development	Core	12
DS 691	Research Methodology II	Core	12
DS 626	Rural and Urban Development	Elective	12
DS 627	Health and Development	Elective	12
DS 649	Globalisation and Development	Elective	12
DS 656	Industrialisation and Development	Elective	12
PS 733	Conflict Management in Africa (from Political Science Department)	Elective	12
PS 730	Conflict Resolution and Peace Studies (from Political Science Department)	Elective	12
<b>DS 699</b>	<b>Dissertation</b>	<b>Core</b>	<b>60</b>

## MASTER OF ARTS IN DEVELOPMENT MANAGEMENT

### Semester I

Code	Course Title	Core/Elective	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	Elective	12
DS 635	State, Market and Development	Elective	12
DS 636	Poverty Analyses for Development	Elective	12

## Semester II

Code	Course Title	Core/Elective	Credits
DS 629	Political Economy	Core	12
DS 663	Governance and Development	Core	12
DS 691	Research Methodology II	Core	12
DS 637	Development Planning and Practice	Elective	12
DS 638	Development Monitoring and Evaluation	Elective	12
<b>DS 699</b>	<b>Dissertation</b>	<b>Core</b>	<b>60</b>

## MASTER OF ARTS IN GENDER STUDIES

### Core Courses

#### Semester I

Code	Course Title	Credits
DS 622	Development Theory	12
DS 640	Feminist Paradigm and Emerging Theories	12
DS 641	Gender, Political Systems and Development	12
DS 642	Gender, Culture and Development	12
DS 690	Research Methodology I	12

#### Semester II

Code	Course Title	Credits
DS643	Gender & Resources Management	12
DS644	Gender Mainstreaming & Budgeting	12
DS645	Civil Society and Development	12
DS 691	Research Methodology II	12
DS 699	Dissertation	40

### List of Elective Courses

Code	Course Title	Credits
DS 651	Education for Development	12
DS 660	Communication for Development	12
DS 664	Gender and Sexuality	12
DS 626	Rural and Urban Development	12
DS 627	Health and Development	12
DS 633	Planning and Management for Development	12
DS 666	Advocacy & Development	12



### Assessment/Evaluation of the Programmes:

Coursework assessment for each course:  
50%

Final examination for each course:  
50%

### DOCTOR OF PHILOSOPHY (PhD)

#### Structure and Duration

The current PhD programme is based on research and writing of a Thesis. This is done under close supervision and lasts for three years. Development studies being interdisciplinary, candidates can select research topics for their theses from issues of development significance especially, but not limited to, the IDS research agenda. A taught PhD programme (PhD. 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 PhD Thesis is graded.

### IDS STAFF LIST

#### Office of the Director

*Associate Professor and Director*

E. W. Dungumaro, BSc.Ed (Dar), M.A. Demography (Dar), PhD (Hitotsubashi, Tokyo, Japan)

*Senior Lecturer and Deputy Director*

J. Kiduanga, BSc., MSc. (Moscow), PhD (Dar)

*Principal Administrative Officer*

J. Lyimo

*Professors*

H. Mlawa, B.A., M.A., (Dar), MPhil, DPhil (Sussex)

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S. Ngware, B.A., M.A. (Dar), PhD (Minnesota)

*Associate Professors*

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P. C. L. Kamuzora, B.A., M.A. (Dar), M.A. (HMPP), PhD (Leeds)

E. P. Niboye B. Sc. Education (Dar), DipEnvMgm (Australian National University, Australia) Dr. rer. OEC (Johannes Kepler, Linz)

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M. Ngaiza, B.A., MLS (Southborough), M.A., PhD (Dar)

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S. Maluka, B.A., M.A. DS (Dar), PhD (Umea, Sweden)

*Lecturers*

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R. Ndesanjo, B.A, MSc. (Dar)

\*R. Leonia, Dip.Ed (Marangu TTC), B.Ed. Psy (Dar), M.A. GEM (Dar)

P. Erasto, B.A. (Dar), M.A. (Seoul)

\*H. Makundi BSc., PGD (Dar), MSc. (Sussex)

\*P. Japhet, B.A., M.A. DS (Dar)

P. Katto, B.A. (Dar)

V. Hamza, B.A. (Dar)

*Tutorial Assistants*

I. Maage, B.A. (Dar)

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 C. R. Shankango, B.A. (Dar)  
 I. Y. Majenda, B.A. (Dar)  
 O. Thabit, B.A. (Dar)  
 C. Nyirenda, B.A. (Dar)

Librarian  
 Ibrahim Abdallah, 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**  
 E. Isack, Upgrading Typing Stage III, Advance Computer Course, Form IV

**System Administrator**  
 J. Mwengele BSc. with Computer Science (UDSM)

**Office Supervisor**  
 H. Rumadha, Certificate in Records Management (TPSC, Magogoni)

**Office Attendant**  
 G. Aniceth, Form IV

**Driver**  
 M. Said Advanced Driving Course (NIT)  
 \*On study Leave

**INTRODUCTION**

The Institute of Kiswahili Studies (IKS) is unique, in that it is the oldest Kiswahili institute in the world. It was established in 1930 as the Inter-Territorial Language Committee for what was known then as the East African Dependencies. Since that time, the IKS has continued researching into and developing various aspects of Kiswahili literature, language, and culture 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

All of which make the Institute the most popular educational hub for teaching and orienting foreigners in Kiswahili language and culture. The Institute is headed by a Director, Associate Director, and Principal Administrative Officer.

**POSTGRADUATE PROGRAMMES OFFERED BY IKS**

The Institute of Kiswahili Studies offers the following postgraduate programmes:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	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	Parttime	60 months	2,650,000 per year	3,075 per year

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	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 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. The candidate should have at least a GPA of 3.0 in Kiswahili Literature and Linguistics in his/her undergraduate programme. 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.

#### M.A. KISWAHILI BY COURSEWORK 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 social sciences or humanities. 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 and obtain GPA of 3.0.

*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 coursework and dissertation shall be completed in one and a half years.

### Overall Programme Assessment

The overall assessment for the M.A. Kiswahili by coursework and dissertation will be based on the coursework, 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 coursework and dissertation are required to do and pass the core and elective courses of a minimum of 144 credits before proceeding to their research work for the dissertation.

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 coursework 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-mitindo ya Fasihi 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 coursework phase before they are allowed to proceed with the dissertation phase.

### 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 PhD IN KISWAHILI BY COURSEWORK AND DISSERTATION

The Institute of Kiswahili Studies also offers a PhD degree by coursework and dissertation. The PhD 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 700	Mbinu za Utafiti na Uchambuzi wa Data za Lugha ya Kiswahili	24
KI 701	Uchambuzi wa Nadharia za Sintaksia ya Kiswahili	24
KI 703	Semina za Masuala Changamani katika Isimujamii	24

**Semester 1: Optional Courses (Select Two)**

Code	Course Title	Credits
KI 707	Semina za Nadharia za Mofolojia ya Kiswahili	24
KI 710	Falsafa ya Lugha	24
KI 711	Lugha na Elimu	24

**First Year Semester 2: Core Courses**

Code	Course Title	Credits
KI 702	Lugha na Siasa	24
KI 704	Semina za Uchambuzi wa Nadharia za Asili na Chimbuko la Kiswahili	24
KI 705	Nadharia na Taftiti za sasa katika Ujifunzaji wa Kiswahili kama Lugha ya Pili	24

**Semester 2: Optional Courses (Select Two)**

Code	Course Title	Credits
KI 706	Masuala Changamani katika Nadharia za Fonolojia	24
KI 708	Semina za Nadharia za Semantiki	24
KI 709	Semina za Upangaji Lugha	24

**Year 2**

**Semester 1**

	Comprehensive Exam	120
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**Year 2 (Semester 1) Year 3 and Year 4**

KI 799	Dissertation	180
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**INTRODUCTION**

The Institute of Marine Sciences (IMS) was established on 17<sup>th</sup> October, 1978 in accordance with the University of Dar es Salaam Act 1970. It is located in Zanzibar in the premises of the former East African Marine Fisheries Research Organization (EAMFRO) and has a mariculture substation in Pangani. The Institute was established with the following aims and objectives:

The primary objective of the Institute is to undertake research in all aspects of Marine Sciences.

The Institute shall provide postgraduate studies in Marine Sciences.

Provide advisory and consultancy services in Marine Affairs.

In future and in accordance with the country's manpower demand, the Institute shall establish undergraduate studies in Marine Sciences.

The Institute shall be engaged in exploitation of Marine Resources as part of merging theory and practice.

The Institute is organized into three sections, namely:

Physical and Environmental Marine Sciences (PEMS)

Marine Biology and Resources Management (MBRM)

Information and Communication Technology (ICT)

PEMS and MBRM are academic sections while ICT is a cross-cutting section. The ICT section apart from carrying out normal IT responsibilities provides GIS services and houses the National Oceanographic Data Centre (TzNODC), and the Marine Education Extension Development (MEED) unit. The MEED unit is the outreach arm of the Institute as its main function is to translate scientific/research findings into a simple language for the various stakeholders.

The Institute has a good range of oceanographic equipment for field work. It also has well equipped research laboratories and there is ample working space for visiting scientists and postgraduate students. Through the Sida Marine Sciences Bilateral Programme, the Institute provides scholarships for postgraduate studies in Marine Sciences. The Institute maintains good collaboration with donor agencies such as IOC, Sida, CIDA, UNEP, UNESCO, IUCN, WWF, IFS, the World Bank, and many others. By maintaining a clearly focused research agenda, the Institute has been able to contribute to the national development, economically and scientifically. The Institute's Research Agenda identifies four broad themes of focus for the next ten years 2014-2023. These are:

Environment, climate change and impacts on coastal and marine ecosystems; risk management strategies, Food security, poverty alleviation, diseases eradication and sustainable coastal and marine resource management

Resource management support tools (Modelling, Remote sensing, GIS and marine geoinformatics).

Marine technology and innovation. This is a new area of concentration with emphasis being in the following areas: Marine Prospecting (Minerals, Oil and Gas Technology), Fisheries Gear Engineering, Coastal and Harbour Engineering, Offshore Engineering, Marine Satellite Remote

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*Tutorial Assistants*

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**Centre for Kiswahili for Foreigners**

*Associate Professor and Coordinator*

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**Centre for Kiswahili Literature and African Oral and Written Traditions**

*Lecturer and Coordinator*

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**Centre for Terminology, Translation, Interpreting, and Language Technology**

*Senior Lecturer and Coordinator*

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G. Mrikaria, BAPhil, MAPHil, PhD (Moscow)

\* On study leave

\*\* On leave without pay

Sensing, Hydro-acoustic and Fish Capture Technologies.

From the onset, it was realized that the current premises would not be enough for future expansion of IMS activities and the anticipated increase in student enrolment. Thus, the Government of the United Republic of Tanzania is currently constructing a new premise at Buyu, South of Zanzibar Town for expansion of the Institute and it is hoped that during the 2015/2016 academic year the Institute may be able to relocate some of her activities to Buyu.

#### 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:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	Master of Science in Marine Sciences	Coursework and Dissertation	Fulltime	24 months	2,250,000	8,040
	Master of Science in Marine Sciences	Thesis	Fulltime	24 Months	2,250,000	8,040
	Master of Science in Sustainable Fisheries Management (MSc SUFIM)	Coursework and Dissertation	Full time	24 months	2,250,000	8,040
	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
	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 PhD are governed by the University of Dar es Salaam General Regulations for Postgraduate Study Programmes. A candidate for admission to the Masters degree (Marine Sciences) by Coursework and Dissertation and Masters degree (Sustainable Fisheries Management) must have at least a Lower Second Class honours degree (i.e. with a GPA of at least 2.7) from any TCU recognized and UDSM respected University with background in science subjects relevant to marine sciences such as biology and chemistry. A candidate for admission to the Masters degree (Marine Sciences) by thesis must have at least an Upper Second Class honours degree (i.e. with GPA of at least 3.5) of the University of Dar es Salaam or equivalent qualifications from another recognized university during the first degree. A candidate for admission to the Doctor of Philosophy degree 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.

#### MASTER OF SCIENCE IN 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 COURSEWORK 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 coursework (Part I) and research project (Part II)

A minimum of 120 credits of the coursework programme must be completed. 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 coursework part will be discontinued.

Candidates whose overall grade point average is 2.7 and above in the coursework part, shall be allowed to do supplementary examination(s) in the failed courses. After the supplementary examination(s) those 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.

## Compulsory Courses

Code	Course Title	Credits
GI 602	Research Methodology for Marine Scientist	8
GI 610	GIS and Remote Sensing for Marine and Coastal Environment	16
OC 609	Applied marine Geology	16
OC 614	Applied Physical Oceanography	8

## Specialisation Courses: Marine and Coastal Geo-information

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
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 604	Case Studies in GIS and Remote Sensing	8
MR 605	Maritime Policy	8
MR 614	Integrated Coastal Zone Management	8
OC 605	Marine Pollution and Control	8
RM 602	Environmental Assessment	24



**MASTER OF SCIENCE IN SUSTAINABLE FISHERIES MANAGEMENT (MSc 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/ Elective	Hours					Total Hrs	Credits
		Lectures	Seminar/ Tutorial	Assignments	Independent Studies	Practical Training		
<b>Semester 1</b>								
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
<b>Semester 2</b>								
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				
	Code	Course Title	Status	Credits	Total credits
1	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	Elective	8	15
	SF 607	Aquaculture	Elective	8	
	SF 606	Fisheries Oceanography	Elective	8	
	SF 615	Biophysical interactions in the Marine Environment	Elective	12	
	GI 604	Case studies in GIS and Remote Sensing	Elective	8	
	SF 616	Fisheries Economics	Elective	12	
	Total (Minimum required)				63
Year	Semester 2				
2	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	Elective	12	31
	SF 612	Marine Protected Areas	Elective	8	
	SF 613	Fish Trading and Processing	Elective	8	
	SF 614	Genetics in Fisheries and Aquaculture	Elective	12	
	GI 605	GIS and Remote Sensing for Marine and Coastal Environment	Elective	12	
	MR 601	Sustainable Utilisation of Coastal and Marine Resources	Elective	12	
	Total (Minimum required)				63
	SF 699	Dissertation			54
<b>Total</b>					<b>180</b>

### MASTER OF SCIENCE IN MARINE SCIENCES BY THESIS

The programme lasts for 24 months and is pursued through research followed by writing a thesis. Some coursework may be taken when directed by the Institute's Postgraduate Studies Committee (IPSC). The student should initially submit a two-page statement of the intended research topic, 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.

### DOCTOR OF PHILOSOPHY IN APPLIED MARINE SCIENCES (PhD 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 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/ Elective	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	Elective	15	15	15	90	15	150	15
MD 711	Elective	15	15	15	90	15	150	15
GI 712	Elective	15	15	15	90	15	150	15
OC 713	Elective	15	15	15	90	15	150	15
MD 799	Dissertation							360

#### Specialization II: Marine Fisheries Management

Course	Core/ Elective	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								
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	Elective	15	15	15	90	15	150	15
MD 711	Elective	15	15	15	90	15	150	15
GI 712	Elective	15	15	15	90	15	150	15
OC 713	Elective	15	15	15	90	15	150	15
CR 799	Dissertation							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		
	<b>Semester 2</b>					
	MD 701	Trends in Mariculture Production and Technology	Core	30	60	
	MD 702	Applied Marine Biology and Biotechnology	Core	30		
	<b>A student will chose at least 30 credits from the following:</b>					
	CR 710	Coastal and Marine Governance	Elective	15	30	
	MD 711	Synergistic aspects of fisheries and mariculture	Elective	15		
	GI 712	Coastal and Marine GIS and Remote Sensing	Elective	15		
	OC 713	Climate Change and Marine Resources Management	Elective	15		
	<b>Total (Minimum required)</b>					180
	<b>Years II-IV</b>	MD 799	Dissertation	Core	360	360
	<b>Grand total credits</b>					<b>≥540</b>

**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		
	<b>Semester II</b>					
	CR 701	Ecosystem Based Approach to Marine Fisheries Management	Core	30	60	
	CR 714	Fish Processing Technology and Post-harvest Management	Core	15		
	CR723	Fish Biology and Taxonomy	Core	15		
	<b>A student will chose at least 30 credits from the following:</b>					
	CR 710	Coastal and Marine Governance	Elective	15	30	
	MD 711	Synergistic aspects of fisheries and mariculture	Elective	15		
	GI 712	Coastal and Marine GIS and Remote Sensing	Elective	15		
	OC 713	Climate Change and Marine Resources Management	Elective	15		
	<b>Total (Minimum required)</b>					180
	<b>Years II-IV</b>	CR 799	Dissertation	Core	360	360
<b>Grand total credits</b>					<b>540</b>	

**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

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#### *Senior Lecturer and Associate Director*

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### Heads of Sections

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#### Coordination

#### *Lecturer and Coordinator, Institute Research and Publications Committee, Visiting Scientists*

M. S. Shalli, BSc, MSc (SUA), PhD (Dar)

#### *Lecturer and Coordinator, Institute Postgraduate Studies Committee*

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#### *Lecturer and Coordinator, Knowledge Exchange*

R.A. Kitula, BSc, MSc (SUA), PhD (SUA)

#### *Lecturer and Coordinator, Institute Academic Staff meetings*

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#### *Associate Professor and Coordinator, Planning, Buyu Site Development*

N.M. Nyandwi, BSc (Dar), MSc (Wales), Dr. rer. nat. (Bremen)

#### *Associate Professor and Coordinator, Collaborations and Links*

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#### *Senior Lecturer and Coordinator, Pangani Site Development*

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#### *Lecturer*

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M. Mangora, BSc, MSc (SUA), PhD (Dar)

L. J. Chauka, BSc (Dar), MSc (Addis), PhD (Dar)

D. Msangameno, BSc (Dar), MSc (UMB), PhD (Dar)

#### Assistant Lecturer

B. A. Tarimo, BSc, MSc (Dar)

B. M. Yahya, BSc, MSc (Dar)

#### *Laboratory Scientist*

F. E. Msuya, BSc (Dar), MSc (Kuopio), PhD (Tel Aviv)

### Physical and Environmental Marine Sciences Section

#### *Senior Lecturer and Head of Section*

A. J. Mmochi, BSc (Dar), MSc (Ryukyus), PhD (Dar)

#### *Associate Professor*

D. C. P. Masalu, BSc (Dar), BSc (AICS), MSc (Tokyo) D.Sc (Tokyo)

N. Nyandwi, BSc (Geol) (Dar), MSc (Wales), Dr. rer. nat. (Bremen)

#### *Senior Lecturers*

S. M. Mohammed, BSc (Dar), MSc (Southampton), PhD (Stockholm)

Y.W. Shaghude, BSc (Dar), Adv, Dip Marine Affairs (Dalhousie), MSc (Southampton), PhD (Stockholm).

#### *Tutorial Assistants*

C. H. Matem, BSc (Dar)

R. Sabuni, BSc (Dar)

V. Swai, BSc (Dar)

#### *Laboratory Scientists*

M. K. Maalim, MSc (Ryukyus), PhD (Ardhi)

### Information and Communication Technology Section

#### *Senior Lecturer and Head of Section*

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#### *Systems Administrator*

C. C. Mhagama, BSc (Comp. Sci) (Dar)

#### *Artist in Residence*

D.S. Mukaka, BSc (OUT), MSc (OUT)

#### *Senior Library Officer*

F. A. Uki, BA (TUDARCo)

Senior Administrative Officer

A. M. Mwakalukwa, DipBA (CBE), BAPSPA (Dar)

Principal Accountant and Head of Finance

A. S. Sabour, PGD (IFM), AD (Accounts) (IFM), MSc (Finance), CPA (T) (IFM)

## INSTITUTE OF RESOURCE ASSESSMENT (IRA)

### INTRODUCTION

The Institute of Resource Assessment offers five postgraduate programmes namely, 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), Doctor of Philosophy (PhD CC & SD) and PhD (NARAM) (Table 1).

### POSTGRADUATE PROGRAMMES OFFERED BY IRA

Table 1: Title of the Programme, delivery mode, Status, Duration and Corresponding Fees

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	Master of Science in Natural Resource Assessment and Management (MSc NARAM)	Coursework and Dissertation	Fulltime	18 months	4,500,000	6,030
	Master of Science in Natural Resource Assessment and Management (MSc NARAM)	Thesis	Fulltime	24 months	4,500,000	8,040
	Doctor of Philosophy (PhD) in Natural Resource Assessment and Management	Thesis	Fulltime	36 months	2,500,000 per year	4,020 Per year
	Doctor of Philosophy (PhD) in Natural Resource Assessment and Management	Thesis	Part time	60 months	2,500,000 per year	4,020 Per year
	Doctor of Philosophy (PhD) in Natural Resource Assessment and Management	Coursework and Dissertation	Fulltime	48 months	2,500,000 per year	4,020 Per year

### MASTER OF SCIENCE IN NATURAL RESOURCE ASSESSMENT AND MANAGEMENT (MSc. NARAM)

#### Courses Structure

M.Sc. NARAM students are required to complete the programme in 18 Months. The entire programme requires a student to take minimum of 180 credits. In the first and second semester the students will take core courses which are compulsory and optional courses, providing a total of 120 credits. In addition to M.Sc. NARAM student in the last six months will also be required to write a dissertation which will carry a total of 60 credits (Table 2).

**Table 2: Course Contents**

	Semester/Courses	Status	Credits
	First Year, Semester I		
	3 Core courses (Compulsory)		
<b>Course Code</b>			
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
	At least Two Elective Courses		
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
<b>Semester 2</b>			
RM 606	Tropical Ecosystems Management	Core	12
RM 610	Integrated Research Methodologies	Core	12
RM 611	Environmental Assessment	Core	12
	At least Two Elective Courses		
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

Besides undertaking the 3 core courses indicated in each semester, and M.Sc. NARAM candidate will be required to select a minimum of two elective courses in each semester from the list indicated in Table 2. Dissertation writing is compulsory and the candidate must successfully complete the coursework phase before they are allowed to proceed with the dissertation write-up phase which takes place in the second year.

**Assessment/Evaluation**

All the courses will be assessed through written assignments/tests, seminar presentations and University Examination. The assessed coursework will carry 40% while the final University Examination will carry a maximum of 60%. Dissertation will also be graded The General UDSM Examination Regulations for postgraduate programmes will strictly be applied.

**Eligibility of Admission**

University of Dar es Salaam admission regulations will apply for this programme. In addition, admission into NARAM programme would require applicants to have a good Bachelor of Science or,

Bachelor of Arts degree with specialization in relevant science subjects such as Agriculture, Botany, Zoology, Forestry, and Social Sciences e.g. Geography, Population Studies, etc. The programme will also admit students from related undergraduate degree programmes from institutions recognized by the UDSM and TCU.

**MASTER OF SCIENCE IN CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT (MSc. CC&SD)**

**Programme structure**

Students enrolled in the M.Sc. degree programme in Climate Change and Sustainable Development will have **eighteen months (18)** to complete all requirements for the degree; but extension may be possible upon presentation of valid reasons. Requests for extensions must be considered by the Graduate Senate/Council of UDSM as per the University regulations related to such cases.

The first **twelve (12) months** will be devoted to coursework whereas the last **six** months of the programme will be exclusively assigned to dissertation work. The total academic load of a student is **sixty credits** in the first semester as well as in the second semester (**120 in total for the two semesters**) and **60** credits during the last Six months. For coursework, students are required to register for at least **120** credits for core and elective courses and **60** credits for their dissertations.

**Courses Offered**

**Courses Distribution/ Allocation per Semester**

**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

**Semester 1**

**Elective Courses**

Code	Course Title	Credits
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
<b>*** Courses offered in other Academic programmes</b>		

## Semester 2

### Core Courses

Code	Course Title	Credits
CC 601	Research Methodology: Methods & Techniques	12
CC 604	Climate Change Governance	12
CC 605	Environment, Sustainable Development and Climate Change	12

## Semester 2

### Elective Courses

Code	Course Title	Credits
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
GE 622	***Water Resources Development and Management	12
*** Courses offered in other Academic programmes		

## Semester 3

Code	Course Title	Credits
CC 669	Dissertation	60

### Assessment and Evaluation

Students will be assessed for a particular course continuously using different modalities, depending on the nature of the course. They will include the following among others:

- Assignments;
- Seminars and Presentations;
- Research Papers;
- Project Works and Reports (Lab exercise, Field reports, etc); and
- Examinations (Quiz, Tests, and Final exams).

The official grades of postgraduate students will be recorded in the offices of CCCS and UDSM relevant Authorities. The scale applicable to grading in the courses shall be in accordance with the rules and regulations of the post graduate programmes of the UDSM; in which the Coursework constitutes **50%**, final examinations weighs **50%** and dissertation weighs **100%**.

## Admission Requirements

University of Dar es Salaam admission regulations will apply for this programme. In addition, students seeking admission to the M.Sc. in Climate Change and Sustainable Development programme of the University of Dar es Salaam must hold an honours degree of the University of Dar es Salaam or an equivalent degree from another recognized university.

### **DOCTOR OF PHILOSOPHY IN NATURAL RESOURCE ASSESSMENT AND MANAGEMENT (PhD IN NARAM) AND DOCTOR OF PHILOSOPHY IN CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT (PhD IN CC & SD) BY THESIS**

The Institute of Resource Assessment offers two Doctor of Philosophy degrees (PhD NARAM and PhD (CC & SD) by Thesis. The duration for each program is 36 months. A candidate for admission to the Doctor of Philosophy degrees must have a relevant Masters degree from the University of Dar es Salaam or an Equivalent from any other institution recognized by the University and TCU. The thesis for the two PhD programmes will be graded as per the university regulations.

### **DOCTOR OF PHILOSOPHY PhD (NARAM) BY COURSEWORK AND DISSERTATION**

#### Courses Structure

The institute of Resource Assessment besides offering the above degrees it also offers PhD degree programme by Coursework and Dissertation. The duration of the programme is 48 Months. 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 1		
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>Elective 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 2

	<i>Core Courses</i>	Credits
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

### Assessment/Evaluation

All the courses will be assessed through written assignments/tests, seminar presentations and university examination. The assessed course work will carry 50% while the final University Examination will carry a maximum of 50%. The PhD dissertation will also be graded. The General UDSM Examination Regulations for postgraduate programmes will strictly be followed.

There will also be a comprehensive examination which will be held after completion of all required coursework. The purpose of this examination will be to test the student's grasp of the chosen field of study as a whole, and the student's ability to communicate his or her understanding of a specific theme. The IRA higher degrees' committee will set and judge this examination in a manner that is compatible with the UDSM regulations.

### Eligibility of Admission

University of Dar es Salaam admission regulations will apply for this programme. In addition, students seeking admission to the PhD NARAM by Coursework and Dissertation of the University of Dar es Salaam must possess a relevant Master's degree from and TCU recognized university, preferably those with background in Natural Resources Management, Geography, Botany, Zoology, Conservation Biology, Wildlife management Agriculture, Forestry, and Environmental Sciences and Management.

### PHD IN CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT BY THESIS

#### Programme Structure

The PhD programme is designed to develop outstanding scholars for careers in research and teaching on issues related to climate change and sustainable development at leading public and private institutions as well in various sectors. Students enrolled in the PhD degree programme will have **thirty six (36)** months to complete all requirements for the degree as full-time and **sixty months (60)** for part-time candidates; but extension may be possible upon presentation of valid reasons. Requests for extensions must be considered by the Graduate Senate/ Council of UDSM as per the University regulations related to such cases. A MSc. degree from the University of Dar es Salaam or any other recognized university is a must for entry to the programme. The student should initially submit a two-page concept note 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 full research proposal to be presented to the Centre for Climate Change Studies (CCCS) for assessment and evaluation. Once the CCCS panellists are satisfied with the quality of the proposed research study, the candidate is allowed to proceed with research after securing clearance from DVC-Research.

### IRA STAFF LIST

#### Office of the Director

*Professor and Director*

Prof. P. Z. Yanda, BScGeo (Dar), Dip (MNRSA), MSc (AUN), PhD (Stockholm)

*Deputy Director*

M. Tumbo, BSc (SUA), MSc (Dar), PhD (Rhodes)

*Professors*

\*\*I. S. Kikula, BSc; MSc (Dar), PhD (Griffith)

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A. E. G. Mwakaje: BSc (SUA); MSc (Reading); PhD (London)

R. B. Mwalyosi, BSc, MSc (Dar), PhD (AUN)

*Associate Professors*

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\*\*R. Y. M. Kangalawe, Dip. Crop Prod. (Uyole), BSc (SUA), PGDIP.MNRSA; MSc (AUN), PhD (Stockholm)

\*\*\*C. G.M. Mung'ong'o, Dip. Lib. (Makerere), BA (Dar), MA (Dar), PhD (Stockholm)

\*\*\* F. P. Maganga, BA; MA (Dar), MSc (Zimbabwe), PhD (Roskilde)

\*\*\*H. Sosovele, BA; MA (Dar), PhD (Bremen)

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J. G. Lyimo, BSc (SUA), PGDIP. MNRSA, MSc (AUN), PhD (Copenhagen)

E. T. Liwenga, Dip. Crop Prod. (Uyole), BSc (SUA), PGDIP.MNRSA; MSc (AUN), PhD (Stockholm).

*Lecturers*

C. Massao, BSc (Dar), MSc. (Kent – Canterbury), PhD (SUA)

F. C. Silangwa, Diploma Education (Korogwe), BEd. (Dar), MA (Dar), PhD (Colon)

N. Pauline, BSc (SUA), MSc (Dar), PhD (Witwatersrand)

E. Kalumanga, BSc (SUA), MSc (Dar), PhD (Stockholm)

M. Tumbo, BSc (SUA), MSc. (Dar), PhD (Rhodes)

P. Ndaki, BSc, MA (Dar), PhD (Oldenburg)

S. Mwansasu, Visual C++ Programming (QA), BSc; MSc (Pinar Del Rio), PhD (Stockholm)

V. Moshy, B.A. Hons Geog. & Env. Studies (Dar), M.A (Geog. & Env. Mangt) (Dar), PhD (NMBU-Norway)

*Assistant Lecturers*

\*E. E. Hanai, BSc (UCLAS), MSc (Dar)

\*J. Perfect, BSc (SUA), MSc (Addis Ababa)

M. Kasebele, BSc, MSc (Dar)

F. Chengula, BA, MSc (Dar)

R. Kalokola, BA, MSc (Dar)

G. Malley, BA, MSc (Dar)

E. Alavaishi, BSc, MSc (Dar)

*Tutorial Assistant*

J. Matata, BSc. (Dar)

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**Administrative Staff**  
*Administrative Officer*  
 W.R. Luanda, BA (Dar)

*Accountant*  
 D.S. Nassoro BCom (Dar), MscFinance (Dublin)

*Senior System Administrator*  
 C.P. Kikwaya, MSc in Electronic Engineering and Information Technology

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\* On study leave  
 \*\* On Secondment  
 \*\*\* On contract

## DAR ES SALAAM UNIVERSITY COLLEGE OF EDUCATION (DUCE)

### INTRODUCTION

Dar es Salaam University College of Education (DUCE) is one of the Constituent College of the University of Dar es Salaam. The College was established in 2005 as a priority response by the Government to address the problem of acute shortage of graduate teachers and experts in the education sector in Tanzania. The shortage emanated from the expansion of primary education enrolments through Primary Education Development Programme [PEDP] (2002 - 2006) and creation of new secondary schools through Secondary Education Development Programme [SEDP] (2004 - 2009). These Government initiatives created an enhanced demand for graduate teachers and tutors in the country.

The College has three faculties: Faculty of Education (FoEd.), Faculty of Humanities and Social Sciences (FoHSS) and Faculty of Science (FoS). In all these faculties, the College has eight academic departments. Faculty of Education has three departments, namely: Department of Educational Curriculum and Lifelong Studies and Department of Educational Foundations, Management and Lifelong Learning Education. As for the Faculty of Humanities and Social Sciences there are three departments, namely: Department of Languages and Literature; Department of Development Studies and Political Sciences, and; Department of Geography and Economics. On the other hand, the Faculty of Sciences has three departments as well. These are: Department of Chemistry; Department of Physics, Mathematics and Informatics, and; Department of Biological Sciences.

### MEMBERS OF THE GOVERNING BOARD

S/N	NAME	AFFILIATION	CONTACTS	TELEPHONE
	Prof. R. S. Mukandala	VC - UDSM	P.O. Box 35091 Dar es Salaam	0754780694
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	Mr. F. Mwanri	Deputy Executive Secretary	Planning Commission  Dar es Salaam	0713611984
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Prof. J. K. Shija	Family Medical Services, Dar es Salaam	P.O. Box Dar es Salaam	0766400500
Mr. L. Chamurilo	Permanent Secretary (Transport)  Ministry of Works, Transport and Communication	P.O.Box Dar es Salaam	0754304650

#### POSTGRADUATE PROGRAMMES OFFERED BY DUCE

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fee	
					Tanzanian (TZS.)	Non- Tanzanian (US \$)
	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	5,500,000	-

#### MASTER OF ARTS WITH EDUCATION (MA. (ED) FULL TIME

##### 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.), or B.Ed. (Arts) degrees) from any recognized higher learning institution with at least a lower second of GPA of not less than 2.7 or its equivalent. In order to take language stream of the MA (Ed.) course one has to have studied Linguistics,

Kiswahili, English, Geography, Literature, French or History in the undergraduate programme. For geography stream one has to have studied geography in the undergraduate degree.

#### OR

- (ii) First degree in B.A. (Kiswahili), B.A. (Language Studies), B.A. (English), B.A. (Geography and Environmental Studies), B.A. (French), B.A. (Literature) and B.A. (History) trend plus a Postgraduate Diploma in Education (PGDE) from any recognized institution of higher education with at least an average pass of B in their final University Examination.

#### Structure and Duration

##### Course work and Research Report

The programme has six (6) streams, namely: Master of Arts with Education (Kiswahili Linguistics Streams), Master of Arts with Education (Kiswahili Literature Stream), Master of Arts (Geography Stream), Master of Arts (Linguistics Stream), Master of Arts with Education (Literature Stream) and Master of Arts (History Stream). The students are expected to complete the programme in 24 Months. The entire programme requires a student to take a minimum of **180** credits.

Four (4) compulsory courses for all streams, each with twelve (24) credits, totaling 96 credits

Seven (7) optional courses, each with twelve (24) credits, totaling 168 credits

Research Report with 24 credits

#### Table 1: Core Courses

The Proposed Programme will have five streams with core courses for all streams as follows:

Code	Course Title	Status	Credits
CT 600	Curriculum and Teaching	Core	24
EF 601	Comparative Education	Core	24
EA 601	Policy, Planning and Administration	Core	24
MA 699	Research Report	Core	24

#### Elective/Option Courses

Each candidate will be required to select two courses from the list indicated in Table 2

#### Table 2: Electives/Option Courses

Code	Course Title	Status	Credits
EP 603	Psychology of Child Development	Elective	24
EP 604	Theories of Teaching and Learning	Elective	24
AE 601	Open and Distance Learning	Elective	24
EF 601	Comparative Education	Core	24
EA 603	Educational Planning and Financing	Elective	24
PE 601	Youth and Sports Development	Elective	24

CT 607	Advanced Curriculum Development	Elective	24
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### Assessment/Evaluation

Continuous assessment (CA) - 50%

Final University Examination (UE) - 50%

Research Report – Graded

### Courses for Each Stream

As for streams, the proposed programme will have linguistics stream (see Table 3), Geography Stream (see Table 4), Kiswahili Linguistics Stream (see Table 5), Kiswahili literature stream (see Table 6) and History Stream (see Table 7) with the following course structure:

**Table 3: Programme Structure for Linguistics Stream**

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	Elective	12
	EP 603	Psychology of Child Development	Elective	24
	EP 604	Theories of Teaching and Learning	Elective	24
	ML 636	Sociolinguistics of International Languages	Elective	12
	AE 601	Open and Distance Learning	Elective	24
	ML 645	Language Assessment and Evaluation	Elective	12
<b>Total</b>			<b>60</b>	
Year	Semester 2			
1	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	Elective	12
	ML 635	Theory and Practice in Writing	Elective	12
	ML 641	Advanced Historical and Comparative Linguistics	Elective	12
	ML 646	Stylistics	Elective	12
	ML 640	Contact Linguistics	Elective	12
	<b>Total</b>			<b>60</b>

Year	Semester 1			
2	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	Elective	24
	PE 601	Youth and Sports Development	Elective	24
	CT 607	Advanced Curriculum Development	Elective	24
	ML 638	Lexicography	Elective	12
	ML 643	Advanced Second Language Acquisition	Elective	12
	ML 647	African Language Structures	Elective	12
	ML 634	Advanced Semantics	Elective	12
	ML 644	Language Course Design - Syllabus and Materials	Elective	12
	<b>Total</b>			<b>60</b>
	Semester 2			
	MA 699	Research Report	Core	24
<b>Grand Total</b>			<b>204</b>	

**Table 4: Programme Structure for Literature Stream**

	Semester 1			
1	Code	Course 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	Elective	12
	EP 603	Psychology of Child Development	Elective	24
	EP 604	Theories of Teaching and Learning	Elective	24
	LT 600	Dramaturgy and Dramatic Literature	Elective	12
	LT 613	Prison and Exile Literature	Elective	12
LT 619	Perspectives in Writing	Elective	12	
<b>Total</b>			<b>72</b>	
Semester 2				
1	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

	<b>Total</b>			<b>72</b>	
	<b>Semester 1</b>				
2	LT 616	Research Methods	Core	12	
	EA 601	Policy, Planning and Administration	Core	24	
	LT 617	Folklore and Society	Core	12	
	<b>A Student may choose 24 Credits from the following:</b>				
	EA 603	Educational Planning and Financing	Elective	24	
	PE 601	Youth and Sports Development	Elective	24	
	CT 607	Advanced Curriculum Development	Elective	24	
	<b>Total</b>				<b>72</b>
	<b>Semester 2</b>				
MA 699	Research Report	Core	24		
Grand Total				<b>216/ 240</b>	

**Table 5: Programme Structure for Geography Stream**

Year	Semester 1				
1	Code	Course 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	
	<b>A Student will choose 24 Credits from the following:</b>				
	EP 603	Psychology of Child Development	Elective	24	
	EP 604	Theories of Teaching and Learning	Elective	24	
	AE 601	Open and Distance Learning	Elective	24	
	GE 628	Population, Resources and Environment	Elective	12	
	GE 641	Environmental Disaster Management and Sustainable Human Development	Elective	12	
	<b>Total</b>				<b>72</b>
	<b>Semester 2</b>				
	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	

	<b>A Student will choose 12 Credits from the following:</b>				
2	GE 637	Tourism and Development	Elective	12	
	GE 643	Water Resources, Planning and Management	Elective	12	
	GE 644	Environment, Food and Development	Elective	12	
	<b>Total</b>				<b>72</b>
	<b>Semester 1</b>				
	GE 645	Strategic Urban Environmental Management	Core	12	
	EA 601	Policy, Planning and Administration	Core	24	
	GE 636	Integrated Natural Resources Management	Core	12	
	<b>A Student will choose 24 Credits from the following:</b>				
EA 603	Educational Planning and Financing	Elective	24		
PE 601	Youth and Sports Development	Elective	24		
CT 607	Advanced Curriculum Development	Elective	24		
GE 635	Environmental Conservation Policies and Strategies	Elective	12		
GE 640	Urban Planning and Management in a Globalizing World	Elective	12		
GE 642	Medical Geography	Elective	12		
<b>Total</b>				<b>72</b>	
<b>Semester 2</b>					
MA 699	Research Report	Core	12		
Grand Total				<b>228</b>	

**Table 6: Programme Structure for Kiswahili Linguistics Stream**

Year	Semester 1			
1	Code	Course Title	Status	Credits
	KI 601	Fonolojia ya Kiswahili	Core	10
	KF 618	Mikabala ya Uhakiki wa Kifasihi	Core	10
	CT 600	Curriculum and Teaching	Core	24
	<b>A Student will choose 24 Credits from the following:</b>			
	EP 603	Psychology of Child Development	Elective	24
	EP 604	Theories of Teaching and Learning	Elective	24
	AE 601	Open and Distance Learning	Elective	24
	KI 608	Masuala ya Kisasa katika Isimu-jamii ya Kiswahili	Elective	10

	KI 614	Leksikografia ya Kiswahili	Elective	10
	<b>Total</b>			<b>68</b>
<b>Year</b>	<b>Semester 2</b>			
1	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	Elective	10
	KI 610	Isimu-linganishi na Isimu-historia ya Lugha za Kibantu	Elective	10
	KI 613	Isimu-tumizi ya Kiswahili	Elective	10
	<b>Total</b>			<b>64</b>
<b>Year</b>	<b>Semester 1</b>			
2	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	Elective	24
	PE 601	Youth and Sports Development	Elective	24
	CT 607	Advanced Curriculum Development	Elective	24
	KI 611	Nadharia za Kujifunza Lugha ya Pili	Elective	10
	KI 609	Historia na Lahaja za Kiswahili	Elective	10
	KI 607	Miundo Changamani ya Kiswahili	Elective	10
<b>Total</b>			<b>68</b>	
	<b>Semester 2</b>			
	MA 699	Research Report	Core	12
<b>Grand Total</b>				<b>210</b>

**Table 7: Programme Structure for Kiswahili Literature Stream**

<b>Year</b>	<b>Semester 1</b>			
1	<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
	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	Elective	24
	EP 604	Theories of Teaching and Learning	Elective	24
	AE 601	Open and Distance Learning	Elective	24

	KF 619	Mshairi Teule	Elective	10
	KF 623	Tendi Simulizi na Andishi katika Kiswahili	Elective	10
	KF 620	Fanani Teule	Elective	10
	<b>Total</b>			<b>68</b>
<b>Year</b>	<b>Semester 2</b>			
1	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	Elective	10
	KF 625	Fasihi ya Majaribio katika Kiswahili	Elective	10
	KF 621	Kazi Bora za Fasihi ya Kiswahili	Elective	10
	KF 628	Elimu-mitindo ya Fasihi ya Kiswahili	Elective	10
	<b>Total</b>			<b>64</b>
<b>Year</b>	<b>Semester 1</b>			
2	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	Elective	24
	PE 601	Youth and Sports Development	Elective	24
	CT 607	Advanced Curriculum Development	Elective	24
	KF 627	Historia ya Taaluma ya Fasihi ya Kiswahili	Elective	10
	KF 624	Ngano za Kiswahili	Elective	10
	KF 622	Wanawake Katika Fasihi ya Kiswahili	Elective	10
<b>Total</b>			<b>68</b>	
	<b>Semester 2</b>			
	MA 699	Research Report	Core	12
<b>Grand Total</b>				<b>210</b>

**Table 7: Programme Structure for History Stream**

<b>Year</b>	<b>Semester 1</b>			
	<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
	HI 605	Theory of History	Core	12

1	HI 606	Historiography of Africa	Core	12
	CT 600	Curriculum and Teaching	Core	24
	<b><i>A Student will choose 24 Credits from the following:</i></b>			
	EP 603	Psychology of Child Development	Elective	24
	EP 604	Theories of Teaching and Learning	Elective	24
	AE 601	Open and Distance Learning	Elective	24
	HI 614	Diseases and healing in Africa: Late 19 <sup>th</sup> century to the present	Elective	12
	HI 612	Topics in Tanzania environmental history	Elective	12
	<b>Total</b>			<b>72</b>
<b>Year</b>	<b>Semester 2</b>			
1	EF 601	Comparative Education	Core	24
	HI 608	Preparation of history research proposals	Core	12
	HI 609	Global capitalism and Africa	Core	12
	<b><i>A Student will choose 12 Credits from the following</i></b>			
	HI 613	History of labour in sub-Saharan Africa	Elective	12
	HI 610	African history and allied sciences	Elective	12
	AY 620	History of Heritage Conservation	Elective	12
	<b>Total</b>			<b>60</b>
<b>Year</b>	<b>Semester 1</b>			
2	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
	<b><i>A Student will choose 24 Credits from the following:</i></b>			
	EA 603	Educational Planning and Financing	Elective	24
	PE 601	Youth and Sports Development	Elective	24
	CT 607	Advanced Curriculum Development	Elective	24
	KF 627	Historia ya Taaluma ya Fasihi ya Kiswahili	Elective	10
	AY 624	Heritage for Tourism	Elective	12
	AY 625	Heritage Management and Conservation	Elective	12
	<b>Total</b>			<b>72</b>
	<b>Semester 2</b>			
	MA 699	Research Report	Core	12
	<b>Grand Total</b>			<b>210</b>

## POSTGRADUATE DIPLOMA IN EDUCATION (PGDE) (EVENING/ONLINE)

### Admission Requirements

To be considered for admission into this Programme, a candidate must be a holder of non-Education Bachelor Degree or an Advanced Diploma of the University of Dar es Salaam or an institution of higher learning recognized by the University of Dar es salaam and/or Tanzania Commission for Universities (TCU).

### Structure and Duration

#### Course work and practicum

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
<b>Total</b>		<b>132</b>

**Table 2: Electives/Option 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

#### **Assessment/Evaluation**

Continuous assessment (CA) - 50%

Final University Examination (UE) - 50%

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Prof. W. A. L. Anangisye, BSc.Ed., M.Ed (Dar), PhD (Edinburg)

##### **Deputy Principal (Academic)**

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

##### **Deputy Principal (Administration)**

Prof. J. Buchweishaija, Dip. Ed (Mkwawa), BSc (Dar), MSc, PhD (Trondheim)

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Mr. M. Mohamed, CPA (T)

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##### **Acting Coordinator Gender Unit**

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*Assistant Lecturer and Coordinator (Practicum)*

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*Senior Lecturers*

M. Sahu, B. Sc (Chem.) (Sambalqur), M.Sc (Chem.) (Otkal), PhD. (Sambalqur)  
J. Mbuna, B.Sc. (Ed), M.Sc. (Dar), PhD. (Okayama)

*Lecturers*

J. T. Zacharia, B.Sc. (Ed), M. Sc. (Dar) PhD. (Kobe)  
E. Mbukwa, B.Sc. (Ed) (Dar), M.Phil. (UB), PhD. (Johannesburg)  
D. Shilla, B.Sc. (Dar), M. Sc. (UB), PhD. (Ryukyus)  
\*\*F. Hamad, B.Sc. (Dar), M.Sc (Dar), PhD. (Gent)  
S. Mlowe, B.Sc, M.Sc (Dar), PhD  
J. Mgaya, B.Sc, M.Sc (Dar), PhD

*Assistant Lecturers*

\*A. Kitalika, B.Sc. (Ed), M.Sc (Dar)  
\*S. John, B.Sc, MSc (Dar)  
\*M. Petro, B.Sc, MSc (Dar)

**Department of Physics, Mathematics and Informatics**

*Lecturer and Head*

G. G. Mwanga, B.Sc. (Ed) (Dar), M.Sc. (South Africa), PhD (LUT)

*Lecturers*

G. G. Mwanga, B.Sc. (Ed) (Dar), M.Sc. (South Africa), PhD (LUT)  
J. Mpele, B.Sc. (Ed) (Dar) M.Sc. (Nairobi), PhD (Nelson Mandele)  
Y. Msambwa, B.Sc. (Ed), M.Sc., PhD (Dar)  
Z. Mussa, B.Sc. (Ed) (Dar), M.Sc. (Dar), PhD (LUT)  
T. Sagamiko, B.Sc., M.Sc., PhD (Dar)

*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)

#### *Tutorial Assistants*

\*C. Charles, B.Sc. (Dar)  
\*S. Amos, B.Sc. (Dar)  
\*C. Samson, B.Sc. (SUA)

#### **College Library**

##### *Assistant Librarian and Acting Director*

F. Ernest, B.A. (Botswana), M.A. (Dar)

##### *Assistant Librarians*

F. Ernest, B.A. (Botswana), M.A. (Dar)  
D. H. Danda, B.Sc (UCLAS), M.A. (Dar)  
P. Kayungi B.A., M.A. (Dar)  
\*G. Amos, B.Sc. (SUA), M.A. (Dar)

\* *on Studies*

\*\**On Leave of absence*

## **MKWAWA UNIVERSITY COLLEGE OF EDUCATION (MUCE)**

### **INTRODUCTION**

The Mkwawa University College of Education (MUCE) is located in the Southern Highlands of Tanzania in Iringa Municipal, about 3 kilometres from the main bus stand. MUCE was established as a constituent college of the University of Dar es Salaam (UDSM) on the 1<sup>st</sup> 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 teacher 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 under Section 55 (1) of the University of Dar es Salaam Act No. 12 of 1970 and published on 22<sup>nd</sup> July 2005 on 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, and 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 s/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 MUCE receipt. Currently, the price per student per day is TZS. 800.00 x 120 days per each semester. In addition, students are required to pay accommodation caution money of TZS. 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 (Food vendors) near Hall VI which have the capacity to serve the present student population.

### Medical Services

MUCE owns and operates a Health Centre which provides 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 who report at the Health Centre for treatment are required to produce NHIF identity cards, which can also be obtained at college at a cost of TZS. 50,400.00 per year.

### College Library

MUCE Library is an academic unit which is an integral part of the College in pursuit of its 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>			

## SENIOR OFFICERS OF THE COLLEGE

### Chancellor

Dr. J. M. Kikwete, BA (Dar), LLD (Dar), LLD (St. Thomas, Minnesota), Litt.D (Kenyatta), IR.D (Fatih), PhD (Muhimbili), PhD (UDOM), PhD Law (Guelph), PhD Law (Newcastle, Australia), LLD (OUT)

### Vice Chancellor

Prof. R. S. Mukandala, BA, MA, (Dar), PhD, Cert. NIE (Berkeley)

### Principal

Prof. B. Killian, BA, MA (Dar), PhD (UCLA)

### Deputy Principal (Academic)

Prof. R.Y.M. Kangalawe, Dip in Crop Prod (Uyole), BSc. Agric (SUA), PGD-MNRSA, MSc (AUN), PhD (Stockholm)

### Acting Deputy Principal (Administration)

O. Kapinga, B.A. (Ed) (Dar), M.Ed., PhD (Åbo)

### Head, Office of the Corporate Counsel

E. Kalengela, LLB, PDLP (Dar), LLM (RUCO), ACOPC (Judiciary)

### Director, Human Resources and Administration

Dr. J. Amani, BA. Ed., MAASP, PhD (Dar)

### Coordinator, Undergraduate Studies

Dr. L. A. Mtashobya, Dip. Ed. (Dar), B.Ed. (Sc), M.Sc. (Dar), PhD (Southampton)

### Coordinator of Postgraduate Studies, Research and Consultancy

Dr. N. D. Matojo, Dip. Ed. (Klerruu), B.Sc. (Ed.) (O.U.T.), M.Sc., PhD (Dar)

### Coordinator of Quality Assurance

Dr. J. Emmanuel B.Sc. Ed., M.Sc. (Dar), PhD (Southampton)

### Acting Dean Faculty of Education

Dr. J. F. Kalolo, B.Ed. (PESC), M.Ed. (Sc. Education) (Dar), PhD (Victoria University of Wellington)

### Dean Faculty of Humanities and Social Science

Dr. E. Haulle, BA (GE-ES), MA (GEM), PhD (Dar)

### Dean, Faculty of Science

Dr. N.D. Mganga, Dip. Ed (DTC), B.Sc. (Ed), M.Sc., PhD, (Dar)

### Head, Library

L. Selle, BA Lib. & Inform (Tumaini), MA Information Studies (Dar)

### Acting Chief Internal Auditor

O.R. Chamlima, Principal Internal Auditor, Bachelor of Accounting and Finance (MU), CPA (T),

**Acting Head, Finance Department**

P.J. Kimondo, Dip. Ed (Dar), ADA (CBE), PGDBA (CBE)

**Acting Head, Procurement and Management**

F. Chitanda, ADPS (TIA), CPSP (T) (PSPTB)

**Head, Public Relations Office**

J. Buliro, BA. (Public Relation &amp; Advertising) (Dar), MA. Mass Com. (SAUT)

**Head, ICT****Head, Systems Administration Unit**

F. Mahuwi, Dip. (Computer Science) (RMIT), B.Sc. (RMIT), M.Sc. (IT &amp; Mgt) (Avinashillingham)

**MUCE GOVERNING BOARD MEMBERS 2015/16 – 2017/2018**

NO	NAME	DEPARTMENT	DESIGNATION	CONTACTS
	Prof. Rwekaza S. Mukandala	Vice Chancellor, UDSM	Chairperson	+255-22-2410700
	Ms. Wamoja Ayoub Dickolagwa	Regional Administrative Secretary, Iringa	Vice Chairperson	
	Prof. Bernadeta Killian	Principal, MUCE	Secretary	+255-262-702751
	Mr. Paul T. Sangawe	Deputy Executive Secretary, President's Office, Planning and Commission	Member	
	Prof. William A. L. Anangisye	Principal-DUCE	Member	
	Mr. Fundi Mwakapeta Makama	Principal Finance Management Officer I Ministry of Finance	Member	
	Ms. Paulina M. Nkwama	Assistant Director Regional Administration and Local Government (PMO - RALG) - Dodoma	Member	+255-754-284831
	Dr. W.D. Mafwere	Iringa Municipal Director	Member	
	Mr. Daniel Yohana	President, DARUSO - MUCE	Member	+255-768-256801
	Ms. Anna Nduguru	Vice President, DARUSO- MUCE	Member	+255-753-374116
	Mr. Samson Mgaiwa	Chairperson, THTU- MUCE	Member	
	Mr. Pastory Parestico	Chairperson, UDASA- MUCE	Member	
	Prof. Martha Qorro	UDSM	Member	
	Prof. D.A. Mfinanga	Deputy Vice Chancellor, UDSM	Member	

## PRINCIPAL ADDRESSES

<p><b>Principal</b> P.O. Box 2513, Iringa Tel. 026-2702751 Ext. 177 Fax: 026-2702751 E-mail: principal@muce.ac.tz.</p>	<p><b>Deputy Principal - Academic</b> P.O. Box 2513, Iringa Tel. 026-2701192 Ext. 170 Fax: 026-2702751 E-mail: dpacademic@muce.ac.tz.</p>
<p><b>Deputy Principal - Administration</b> P.O. Box 2513, Iringa. Tel. 026-2701191 Ext. 182 Fax: 026-2702751 E-mail: dpadministration@muce.ac.tz</p>	<p><b>Dean, Faculty of Education,</b> P.O. Box 2513, Iringa Tel. 026-2700630 Ext. 190 Fax: 026-2702751 E-mail: deanfoed@muce.ac.tz</p>
<p><b>Dean, Faculty of Humanities and Social Sciences,</b> P.O. Box 2512, Iringa. Tel. 026-2700636 Ext. 195 Fax: 026-2702751 E-mail: deanfohss@muce.ac.tz</p>	<p><b>Dean, Faculty of Science,</b> P.O. Box 2512, Iringa. Tel. 026-2700632 Ext. 188 Fax: 026-2702751 E-mail: deanfos@muce.ac.tz</p>
<p><b>Head, Office of the Dean of Students,</b> P.O. Box 2513, Iringa. Tel. 026-2700634 Ext. 119 Fax: 026-2702751 E-mail: dos@muce.ac.tz</p> <p><b>Head, Finance Department</b> P.O. Box 2513, Iringa. Tel. 026-2700637 Ext. 168 Fax: 026-2702751 E-mail: finance@muce.ac.tz</p> <p><b>Medical Officer In-charge</b> P.O. Box 2513, Iringa. Tel. 026-2702751 Ext. 147 Fax: 026-2702751.</p>	<p><b>Head College Library,</b> P.O. Box 2512, Iringa. Tel. 026-2700637 Ext. 117 Fax: 026-2702751 E-mail: library@muce.ac.tz</p> <p><b>Head, Estates Department</b> P.O. Box 2513, Iringa. Tel. 026-2701200 Ext. 147 Fax: 026-2702751</p> <p><b>Students Organization (DARUSO-MUCE)</b> P.O. Box 2511, Iringa Tel. 026-2702751 Ext. 147 Fax: 026-2702751. E-mail: dosmuce@yahoo.com</p>

## POSTGRADUATE PROGRAMMES OFFERED

Mkwawa University College of Education (MUCE) offers the following Postgraduate Programmes:

S/N	Programme Title	Mode of Delivery	Programme Status	Duration	Tuition Fees	
					Tanzanian (TZS.)	Non-Tanzanian (US \$)
	Postgraduate Diploma in Education	Coursework	Evening	12 months	2,600,000	3,075
	Master of Science with Education (Biology & Chemistry Stream)	Coursework and Dissertation	Fulltime	24 months	4,250,000	6,150
	Master of Arts with Education (Geography Stream)	Coursework and Dissertation	Fulltime	18 months	5,500,000	6,150

### 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 career 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 pedagogical 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 (24 credits), 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 1		Semester 2	
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

**Table 4: List of PGDE Elective Courses for Semester I and II (To choose any two)**

Semester 1		Semester 2	
Course Code and Name	Credits	Course Code and Name	Credits
EF 501 Sociology of Education	12	CT 507 Introduction to Entrepreneurship Education	12
EA 501 Human Resource Development in Educational Organisations	12	CT 508 Library Education and Information Management	12
EP 504 Educational Guidance and Counselling	12	EA 502 Administrative and Organizational Behaviour in Education	12

### 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 coursework 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 fulltime students and thirty six months (3 years) for parttime 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 coursework 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	1
EP 604	Theories of Teaching and Learning	24	
CT 605	Computer Assisted Learning	24	2

<b>Total</b>	<b>72</b>	
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#### Elective Courses

Code	Course Title	Credits	Semester
CT 600	Curriculum and Teaching*	24	1
CT 603	Professional Development in SMT*	24	
CT 604	Assessment of performance in SMT*	24	2
EA 607	Management of Education Systems and Institutions*	24	

#### Biology Stream

##### Core Courses

Code	Course Title	Credits	Semester
ZL 604	Protozoology and Helminthology	12	1
BL 617	Molecular Biology	12	
BL 661	Advanced Genetics	12	
BL 662	Biological methods and techniques	12	2
BL 607	Biostatistics	12	
BL 663	Advanced Physiology	12	
BL 699	Dissertation	72	
<b>Total</b>		<b>144</b>	

#### Elective 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	1
CH 619	Physical Chemistry	12	

CH 630	Advanced Analytical Chemistry and Instrumentation	12	1
CH 618	Structure, Properties and Applications of Polymers	12	
CH 651	Chemistry of Biomolecules	12	
CH 699	Dissertation	72	1 & 2
	<b>Total</b>	<b>132</b>	

#### Elective 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 ARTS WITH EDUCATION (MA. ED.)

##### Programme description

This is a Master's programme designed to prepare a person who wishes to pursue advanced professional development in the content and pedagogy of Geography (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 programme provides a basis through which a graduate will become a qualified teacher in both content and pedagogy. The programme is intended 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.

##### Entry qualifications

Admission into this programme will be in accordance with the University of Dar es Salaam regulations regarding postgraduate studies. Applicants are required to have the following qualifications:

Holders of First degree with or 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

Holders of first degree in B.A (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.



## Assessment and Examination

### Assessment strategy:

Evaluation of the programmes will be through coursework and examinations. Except for the dissertation, each course will be evaluated as follows:

Coursework: exercises, tests, and term paper/presentations	50%
Final Examination:	50%
<b>Total:</b>	100%

The pass mark for each examinable course shall be 50%. A candidate who may not have completed coursework part of the programme shall not be allowed to proceed for dissertation.

### Examination general format:

Since the proposed programme is of higher learning levels, examination will assess higher levels of Bloom's Taxonomy. Therefore, the examination general format will be of essay type questions.

### Examination regulations:

The general UDSM examination rules and regulations shall apply.

### Dissertation assessment methods:

The general UDSM examination rules and regulations shall apply.

### Condition for continuation and discontinuation:

The general UDSM examination rules and regulations shall apply.

### Work Integrated Learning (WIL):

The programme will include dissertation which will demand candidates to work on related issues. This will integrate learning and work.

## Programme Structure

### Learning Matrix

Normal Learning Matrix indicating course credit hours

Course	Core/ Option	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study hrs	Total Hrs	Credits
MG 600	Core	30	15	30	45	120	12
MG 601	Core	30	15	30	45	120	12
MG 602	Core	30	15	30	45	120	12
MG 603	Elective	30	15	15	20	80	8
MG 604	Elective	30	15	15	20	80	8
MG 605	Elective	30	15	15	20	80	8
MG 606	Elective	30	15	15	20	80	8
MG 607	Elective	30	15	15	20	80	8
MG 608	Elective	30	15	15	20	80	8
MG 609	Elective	30	15	15	20	80	8
ME 601	Core	30	15	30	45	120	12
ME 602	Core	30	15	30	45	120	12
CT 600	Core	60	30	60	90	240	24
EA 601	Core	60	30	60	90	240	24
EP 600	Core	60	30	60	90	240	24

## Course Mapping

### Course mapping by Semester

Semester 1			
Code	Course Title	Status	Credits
MG 600	Advanced Geographical Information Systems	Core	12
MG 602	Advanced Geography Teaching and Learning Methods	Core	12
CT 600	Curriculum and Teaching	Core	24
EA 601	Policy Planning and Administration	Core	24
<b>Total</b>			<b>72</b>
<b>A Student will choose ONE of the following:</b>			
MG 603	Environmental Education	Elective	8
MG 605	Ecological and Environmental Economics	Elective	8
MG 607	Contemporary Issues on Land Resources	Elective	8
MG 609	Remote Sensing	Elective	8
<b>Semester 2</b>			
MG 601	Climate Change Adaptation and Disaster Management	Core	12
ME 601	Social Science as Entrepreneurship and Consultancy Service	Core	12
ME 602	Research Methods in Social Sciences Education	Core	12

EP 600	Educational Measurements and Evaluation	Core	24
<b>Total</b>			<b>60</b>
<i>A Student will choose ONE of the following:</i>			
MG 604	Population, Policy and Planning	Elective	8
MG 606	Theoretical Approaches in Geography	Elective	8
MG 608	Natural Resources Management	Elective	8

## MUCE STAFF LIST

### The Office of the Principal

*Associate Professor and Principal*

B. Killian, B.A., M.A (Dar), PhD (UCLA)

*Acting Chief Internal Auditor*

P. R. Phanuel, B.Com (Dar), MBA (Tumaini), CPA (T)

*Coordinator of Quality Assurance Unit*

J. Emmanuel B.Sc. Ed., M.Sc. (Dar), PhD (Southampton)

*Acting Head, Procurement and Management Unit*

F. Chitanda, ADPS (TIA), CPSP (T) (PSPTB)

*Head, Office of the Corporate Counsel*

E. Kalengela, LLB, PDLP (Dar), LLM (RUCO), ACOPC (Judiciary)

*Head, Public Relations Office*

J. Buliro, BA (Public Relation & Advertising) (Dar), MA. Mass Com. (SAUT)

### The Office of the Deputy Principal (Academic)

*Associate Professor and Deputy Principal-Academic*

R. Y. M. Kangalawe, Dip. Crop Prod (Uyole), BSc (Agric.) (SUA), PGD-MNRSA, MSc (AUN), PhD (Stockholm)

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*Head, Library*

L. Selle, BA Lib. & Inform (Tumaini), MA Information Studies (Dar)

*Senior Administrative Officer (Examinations & Admissions)*

T. Luanda (Ms), BPA (Mzumbe), M.B.A. HRM (RUCO)

*Senior Administrative Officer (Staff Welfare & Transport)*

E. Lyagoda, BA (PSPA) (Dar)

*Senior Administrative Officer (Academic)*

F. Ngajilo, BSc. Ed (Dar), MSc. Geog. & Env. Mgt. (Dar)

*Head, Students' Loans Office*

K. Mhema, B.A (Ed) (Dar)

### The Office of the Deputy Principal (Administration)

*Lecturer and Acting Deputy Principal-Administration*

O. Kapinga, B.A. (Ed) (Dar), M.Ed., PhD (Åbo)

*Director of Human Resources and Administration*

J. Amani, BA. Ed., MAASP, PhD (Dar)

*Senior Administrative Officer (Staff Welfare & Transport)*

B. Mwakyeja, BEd (Sc) (Dar), MPhil (SNE), (Oslo)

*Acting Head, Planning Unit*

Conrad Francis, CPA

*Planning Officers*

T. Mhongole, BA.Econ. (Dar)

*Head, Investment and Resource Mobilization Unit*

V. E. Tairo, B.Sc., M.Sc. (SUA), M.Sc. (Addis Ababa), PhD (Nairobi)

*Head, Systems Administration Unit*

F. Mahuwi, Dip. (Computer Science) (RMIT), B.Sc. (RMIT), M.Sc. (IT & Mgt) (Avinashillingham)

*Head, Registry*

L. Sapachuma, Cert. Records Management (TPSC)

*Head, Finance Department*

P. J. Kimondo, Dip. Ed (Dar), ADA (CBE), PGDBA (CBE)

*Head, Estates Department*

A. Said, B.Sc. (Agricultural Engineering), SUA

*Head, Office of the Dean of Students*

W. Mdegela, B.A (Theology) (Makumira), MPA (Mzumbe)

*Medical Officer In-Charge*

S. Lyuba, MD (MUHAS), MMED (KCMC)

*Auxiliary Police and Head, Auxiliary Police Unit*

G. Mkumbi, Cert. Basic Police Training (CCP- Moshi), Cert. Inspectorate (Kidatu)

**FACULTY OF EDUCATION**

*Lecturer and Acting Dean*

J. F. Kalolo, B.Ed. (PESC), M.Ed. (Sc. Education)(Dar), PhD (Victoria University of Wellington)

*Lecturer and Acting Associate Dean*

C.J. Vincent, B.Ed. (Psy), MAASP, PhD (Dar)

*Coordinator of Teaching Practice*

S. Kitta, B.Ed. (Science), M.A. Ed. (Dar); M.Sc., PhD (Twente)

*Examination Officer*

S. J. Mgaiwa B.Ed. (Arts); MEMA (Dar)

*Secretary*

N. Kibonde (Ms), Diploma Secretarial Duties (TPSC)

*Office Attendant*

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**Educational Psychology and Curriculum Studies**

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**Curriculum and Teaching**

*Lecturer*

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*Assistant Lecturers*

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A. Shomari, Dip. Ed. (Korogwe), B.A. Ed., M.A.Ed. (Dar)

A. S. Msangi, B.A. (Geography); PGDE, M.A. Ed., (Dar)

C. Nombo, B.Ed. (Arts), M.A. Ed. (Dar)

E. A. Kibonde, BA. Ed (Dar), MAED (Dar)

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\*H. Iddy, B.Ed. (Arts), M.A.Ed. (Dar)

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\*M. Mhewa (Ms), B.Ed., M.A. Ed. (Dar)

\*S. Mkimbili (Ms), B.Ed. (Sc), M.Ed. (Science) (Dar)

\*\*T. M. Ntara (Ms), Dip. Ed (Dar), B.Sc.Ed. (OUT), M.Ed. (Science Education) (Dar).

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W. Maliva, B.Ed. (Arts), M.A. Ed. (Dar)

*Tutorial Assistants*

\*B. Luvanga, (Klerruu); B.Ed. (Science) (Dar)

B. T. Mbwire, BSc. Ed (Dar)

D. L. Mosha, BA. Ed (Dar)

H. J. Kihaga, BEd. (Sc.) (Dar)

M. A. Stephano, BSc. Ed (Dar)

U. Jeremia, BEd. (Sc.) (Dar)

**Educational Psychology**

*Assistant Lecturer and Unit Coordinator*

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*Senior Lecturers*

S. Kitta, B.Ed. (Science), M.A. Ed.(Dar); M.Sc., PhD (Twente)

*Lecturers*

O. Kapinga, B.A. (Ed) (Dar), M.Ed., PhD (Abo)

J. Amani (Ms), B.A. Ed., MAASP, PhD (Dar)

C. J. Vincent, B.Ed. (Psy), MAASP, PhD (Dar)

#### *Assistant Lecturers*

J.R Milinga, B.Ed. (Arts), MAASP (Dar)  
\*E. Ndomondo (Ms), Dip. Ed. (Marangu), B.Ed. (Psych), MAASP (Dar)  
\*C. Mbilinyi (Ms), Dip. Ed. (Mpwawa), B. Counselling (Tumaini University-Iringa), MA (ASP) (Dar)  
\*N. Rashid (Ms), B.Ed (Arts), MAASP (Dar)  
\*E. Ismael, B.Ed. (Psych), MAASP (Dar)  
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#### **Educational Foundations and Management**

##### *Lecturer and the Unit Coordinator*

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#### **Educational Foundations**

##### *Lecturer*

A. Raymond (Ms), Dip (Ed) (Dar), B.A. Ed., M.A. (Ed) (Dar), PhD (Bristol)

##### *Assistant Lecturers*

A. Z. Mdemu, B.Ed. (Arts); M.A. Ed. (Dar)  
\*L. Balenzi (Ms), B.Ed. (PESC), M.Ed. (Science) (Dar)  
\*D. Fussy, B.Ed. (Arts), M.A.Ed. (Dar)  
J. R. Shuma, BEd. (Arts) (Dar), MAED (Dar)

#### **Educational Planning and Administration**

##### *Lecturers*

J. Mbepera (Ms), Dip. Ed. (Morogoro), B.Ed. (Arts), MEMA (Dar), PhD (UCL)  
O. Magava, Dip.Ed. (Korogwe), B.Ed. (Arts), M.A.Ed.(Dar), PhD (Dar)

##### *Assistant Lecturers*

A. Manase, Dip. Ed., (Dar), B.Ed. (Science MEMA (Dar)  
S. J. Mgaiwa B.Ed. (Arts); MEMA (Dar)  
\*D. Mirambo, B.A. Ed., M.A. Ed. (Dar)  
Z. Malyatangasi, B.Ed. (Arts), MEMA (Dar)

#### **FACULTY OF HUMANITIES AND SOCIAL SCIENCES**

##### *Lecturer and Dean*

E. Haulle, B.A. (GE-ES), M.A. (GEM), PhD (Dar)

##### *Associate Dean – Academics*

M. Mbise, B.Sc. (SUA), M.Sc. (SUA), PhD (Bunda)

##### *Secretary*

R. T. Kalonga, Cert. Secretarial (TPSC), Dip. Business Administration (RUCU)

#### **Economics and Commerce**

##### *Assistant Lecturer and Coordinator of the Unit*

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##### *Lecturer*

M. Mbise, B.Sc. (SUA), M.Sc. (SUA), PhD (Bunda)

#### *Assistant Lecturers*

\*C. Joseph, B.A. (Ed.), M.A. (Econ.) (Dar)  
D. Donath B.A. (Econ & Stat), M.A. (Econ.) (Dar)  
\*F. M. P. Mugizi, B.A. (Econ. and PS), M.A. (Econ.) (Dar)  
I. F. Ngoti B.A. (Econ & Stat), (M.A. (Econ.) (Dar)  
J. Mkupete B.A. (Econ & Stat), M.A. (Econ.) (Dar)  
N. Kibiki, B.A. (Ed.), M.A. (Econ.) (Dar)  
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#### **Languages and Literature**

##### *Assistant Lecturer and Coordinator of the Unit*

P. Mhango Cert. Ed. (Butimba), B.A. (Ed.), M.A. (Kiswahili) (Dar)

#### **Foreign Languages and Linguistics**

##### *Assistant Lecturers*

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M. I. Kiruya, B.A. (Languages Studies), M.A. (Linguistics) (Dar)  
\*P. Kanijo, B.A. (Ed.), M.A. (Linguistics) (Dar)  
\*P. John, B.A. (Ed.), M.A. (Linguistics) (Dar)  
\*S. Kaoneka, Dip. Ed (Morogoro), B.A. (Ed.), M.A. (Linguistics) (Dar)

##### *Tutorial Assistants*

A. Amos, B.A. (Dar)  
A. Kyando, B.A. (Dar), M.A. (Linguistic) (Osmania)  
\*A. A. Shinyaka, B.A. (Ed.) (Dar)  
V. Mbuba B.A. (Ed.) (Dar)

#### **Literature**

##### *Assistant Lecturers*

\*J. Kato, B.A. (Ed.), M.A. (Literature) (Dar)  
J. Swila, B.A. (Ed.), M.A. (Literature) (Dar)  
M. Kalenge, B.A. (Ed.), M.A. (Literature) (Dar)

##### *Tutorial Assistants*

A. Mihayo, B.A. (Ed.) (Dar)  
J. Kidasi, B.A (Ed.) (Dar)  
\*J. E. Masamu, B.A. (Ed.) (Dar)  
\*S. Spemba, B.A. (Ed.) (Dar)

#### **French**

##### *Tutorial Assistant*

E. Dimbwe, B.A. (Ed.) (Dar)

#### **Kiswahili**

##### *Assistant Lecturers*

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\*C.N. Maggati, Cert Ed, Dip. Ed. (Morogoro), B.A. (Ed.), M.A. (Linguistics) (Dar)  
\*D. Rutagwerela, Dip. Ed. (Mpwawa), B.A. (Ed.), M.A. (Linguistics) (Dar)  
\*D. Ramadhani, Dip. Ed. (Mpwawa), B.Ed. (Arts), M.A. (Linguistics) (Dar)  
\*F. Nchimbi, Dip. Ed. (Mpwawa), B.A. (Ed.), M.A. (Linguistics) (Dar)

\*G. Kawonga, Cert. Ed. (Mtwara), B.A. (Ed.), M.A. (Kiswahili) (Dar)  
P. Mhango, Cert. Ed. (Butimba), B.A. (Ed.), M.A. (Kiswahili) (Dar)  
\*P. Mwashota, B.A. (Ed), M.A. (Kiswahili) (Dar)

### **Geography**

*Lecturer and Coordinator of the Unit*

E. Fundisha, B.Sc. (Ed.), M.Sc., PhD (Dar)

*Associate Professors*

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*Senior Lecturer*

Jerzy Gilarowski, M.A (GEM) (Warsaw Poland), PhD (Warsaw Poland)

*Lecturers*

E. Haulle, B.A. (GE-ES), M.A. (GEM), PhD (Dar)  
E. Fundisha, B.Sc. (Ed.), M.Sc., PhD (Dar)  
E. Michael, B.A. (Ed.), M.Sc. (NARAM) (Dar), PhD (Kassel)  
H. Myeya, B.A. (Ed.), M.A. (GEM), PhD (Dar)  
M. Sabayi, B.Ed. (ADE), M.A. (GEM), PhD (Dar)

*Assistant Lecturers*

A. Saria, B.Ed. (Arts), M.Sc. (NARAM) (Dar)  
H. Seki, BSc. (Wildlife Mgt) (SUA), MSc. (Ecosystem Science) (SUA)  
L. Kassian, B.A. (Ed.), M.Sc. (NARAM) (Dar)  
\*T. R. Haule, B.A., (Ed.), M.A. (GEM) (Dar)  
\*U. S. Msemwa, B.A., M.A. (Demography) (Dar)

*Tutorial Assistants*

F. Godfrey B.A. (Dar)

### **Development Studies, History and Political Science**

*Assistant Lecturer and Coordinator of the Unit*

S. H. Mteti, B.A. (Archaeology), M.A. (Archaeology) (UDSM) PhD (UDSM)

### **History**

*Lecturers*

S. H. Mteti, B.A. (Archaeology), M.A. (Archaeology) (Dar), PhD (UDSM).

*Assistant Lecturers*

\*A. Jackson, B.A. (Ed.), M.A. (History) (Dar)  
\*E. S. Mgaya, B.A. (Ed.) M.A. History (Dar)  
\*J. Leonard, B.A. (Ed), M.A. (History) (Dar)  
M. Bungaya, B.A. (Ed), M.A. (History) (Dar)  
M. N. Kasimu, B.A. (Ed), M.A. (History) (SAUTI)  
T. L. Ombori, B.A. (Archaeology), M.A. (Archaeology) (Dar)

### **Political Science**

*Associate Professor*

B. Killian, B.A., M.A. (Dar), PhD (UCLA)

*Assistant Lecturers*

M. Mgonja, Cert. Ed. (Kange), B.A. (Ed), M.A (Dar)  
\*P. Pastory, B.A. (PSPA), M.A. (Dar)  
\*Y. Daudi, Dip. Ed. (Korogwe), B.A. (Ed.) (Dar), M.P.P. (Peking)

*Tutorial Assistants*

K. Kitunzi B.A. (PSPA) (Dar)  
\* P. Thadey, B.A. (PSPA) (Dar)  
S.S. Mwalusamba B.A. (Ed.) (Dar)

### **Development Studies**

*Lecturer*

C. A. Mulungu, B.A. (Ed.), M.A. (DS), PhD (Dar)  
\*J. Poncian, B.A. (Ed) (Dar)), M.A. (Global Dev. & Africa) (Leeds, UK)

*Assistant Lecturer*

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\*D. Manyerere, B.A. (PSPA), M.A. (DS) (Dar)

### **FACULTY OF SCIENCE**

*Lecturer and Dean Faculty of Science*

N. D. Mganga, Dip. Ed, B.Sc. Ed, M.Sc., PhD (Dar)

*Associate Dean - Academic*

W. B. Washa, Dip. Ed. (DSM College), B.Sc. (Ed.), M.Sc. (OUT), PhD (Dar)

*Secretary*

E. Hongoli (Ms), Cert. Secretarial (Msimbazi), Dip. Secretarial & Office Management (K.I.U)

*Office Attendants*

I. M. Ngaila  
S. S. Kili

### **Chemistry**

*Lecturer and Unit Coordinator*

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*Lecturers*

F. Kimbokota, B.Sc., M.Sc., PhD (Dar)  
L. A. Mtashobya, Dip. Ed. (Dar), B.Ed. (Science), M.Sc. (Dar), PhD (Southampton)  
J. Emmanuel B.Sc. Ed., M.Sc., PhD (Southampton)  
G. N. Shao, B.Sc. Ed. (Dar), M.Sc. Eng, PhD (Kagwon National University-Korea)  
J. Mmongoyo, B.Sc. Ed., M.Sc. (Dar), PhD (MSU)

*Assistant Lecturers*

\*J. Mkungu, B.Ed. (Science), M.Sc. (Dar)

\*R. Christopher, B.Sc. Ed., M.Sc. (Dar)  
\*E. Elimbinzi (Ms), B.Sc. Ed., M.Sc. (Dar)  
\*C. Fabian (Ms), B.Sc. Ed. (Dar) M.Sc. (Dar)  
\*F. Ligate, B.Sc. Ed., M.Sc. (Dar)  
S. Hanolo, B.Sc. Ed., M.Sc. (Dar)  
R. P. Clement, B.Sc. Ed., M.Sc. (Dar)

#### *Tutorial Assistants*

\*F. Ngalaba, BSc. Ed. (Dar)  
P. J. Chengula, BSc. Ed. (Dar)  
F. C. Kindole, BSc. Ed. (Dar)

#### *Principal Laboratory Technicians II*

B. M. Chaffu, FTC (DIT), Adv. Dip. Marine Eng. (D.M.I.)

#### *Senior Laboratory Technician I*

\*R. Mtaki, FTC (DIT), BSc (Food Science) (SUA)

#### *Laboratory Technician II*

M. Yohana, FTC (DIT)

### **Life Sciences**

#### *Lecturer and Coordinator of the Unit*

M.I. Olotu, B.Sc., MIEM (Dar), PhD (NWU)

#### *Lecturers*

M. I. Olotu, B.Sc., MIEM (Dar), PhD (NWU)  
V. E. Tairo, B.Sc., M.Sc. (SUA), M.Sc. (Biodiversity) (Addis Ababa), PhD (Nairobi)  
N. D. Matojo, Dip. Ed (Klerruu), B.Sc. (Ed.) (OUT), M.Sc. PhD (Zoology) (Dar)  
W. B. Washa, Dip. Ed (Dar), B.Sc. (Ed.), M.Sc. (Botany) (OUT), PhD (Dar)  
N. D. Mganga (Ms), Dip. Ed (DTC), B.Sc. Ed., M.Sc. (Botany). PhD (Dar)  
A. B. Philbert (Ms), B.Sc., M.Sc., PhD (Applied Zoology) (Dar)  
A. Msonga (Ms), B.Sc., M.Sc. (Dar), PhD (Leibniz)

#### *Assistant Lecturers*

\*E. Ishengoma, B.Sc., M.Sc. (Marine Biology) (Dar)  
\*A. Mwambala (Ms), B.Sc. Ed., M.Sc. (Dar)  
\*O. D. Alila, B.Sc. Ed., M.Sc. (Dar)  
I. Mrema (Ms), B.Sc. Ed., M.Sc. (Dar)  
S. Mbepera, B.Sc. Ed., MSc. Ed. (Dar)

#### *Tutorial Assistants*

\*M. Shadrack, B. Ed (Sc.) (Dar)  
A. Adamu, B. Ed (Sc.) (Dar)  
V. T. Msoffe, BSc. Ed. (SUA)  
H. R. Mero, BSc. Biotechnology and Lab. Sc. (SUA)

#### *Principal Laboratory Technicians I*

\*F. Tukay, FTC (DIT), B.Sc. (SUA)

#### *Laboratory Technicians I*

D. Yahaya (Ms), FTC (DIT), B.Sc. (SUA)  
A. I. Halid, FTC (DIT)

### **Mathematics and Informatics**

#### *Assistant Lecturer and Unit Coordinator*

J. Mwasunda, B.Sc. Ed., M.Sc. (Dar)

### **Mathematics**

#### *Assistant Lecturers*

\*A. P. Mtunya, B.Sc. Ed., M.Sc. (Dar)  
\*I. Jacob, B.Ed. (Science), M.Sc. (Dar)  
\*G. Wingi, B.Ed. (Science) (Dar), PGD Maths (AIMS, RSA), M.Sc. (Lappeenranta)  
A. Said (Ms), B.Ed. (Science) (Dar), PGD Maths (AIMS, RSA), M.Sc. (Stellenbosch)  
\*R. Nyakale, B.Sc. (Computer Science), M.A. (Statistics), (Dar)  
\*M. Aloni, B.A. (Statistics), M.A (Statistics), (Dar)  
\*B. G. Mng'ong'o, Dip. Ed. (Mkwawa), B.Ed. Sc., M.Sc. (Dar)  
\*C. Stephen, B.Ed. (Science), M.Sc. (Dar)  
J. Mwasunda, B.Sc. Ed., M.Sc. (Dar)  
P. Stanslaus, B.Sc. Ed. (Dar), MSc (Dar)  
J. Mlyahilu, B.Ed. (Science) (Dar), M.Sc (Korea)  
F. Luhanda, B.Ed. (Science) (Dar), M.Sc (Japan)

#### *Tutorial Assistant*

\*M. Kisoma, BSc. Ed. (Dar)  
\*E. A. Kyojo, BSc. Ed. (Dar)

### **Informatics**

#### *Assistant Lecturer and Head of Section*

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#### *Assistant Lecturers*

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#### *Tutorial Assistants*

J. K. Ndauka, B.Sc. (Computer Science) (Dar)  
\*W. M. Wambura, B.Sc. (Computer Science) (Dar)  
\*E. Z. Nsolo, B.Sc. (Computer Science) (Dar)  
\*M. L. Vicent, B.Sc. Ed., (Dar)  
A. P. Mdee, BSc. (Telecommunication) (Dar)  
I. J. Mrema, BSc. (with Computer Science) (Dar)

### **Physics**

#### *Assistant Lecturer and Head of Unit*

E. Chanai, B.Sc. Ed., M.Sc. (Dar)

#### *Assistant Lecturers*

E. Chanai, B.Sc. Ed. (Dar) M.Sc. (Dar)  
\*T. K. Enock, B.Sc. Ed., M.Sc. (Dar)

\*E. R. Ollotu, Dip. Ed. (Monduli), B.Ed. (Science), M.Sc. (Dar)

\*A.V.R. Ntarisa, B.Sc. Ed, M.Sc. (Dar)

G. Mlay (Ms), B. Ed. (Science), M.Sc. (Dar)

#### *Tutorial Assistants*

\*D. J. Mahushi (Ms), B.Sc. Ed. (Dar)

\*B. J. Mafwele, B.Sc. Ed. (Dar)

\*G. Kapyela, B.Sc. Ed. (Dar)

\*V. Modestus, B.Sc. Ed. (Dar)

J. N. Shelembi, BSc. (Electronics and Communication) (Dar)

C. Lwiwa, B.Sc. Ed. (Dar)

#### *Senior Laboratory Technicians I*

C. Sostenes, FTC (DIT)

#### *Laboratory Technicians I*

S. Juma, Dip. Lab. Tech. (DIT)

#### **College Library**

##### *Senior Library Assistant I and Head of Library*

L. Y. Selle, Dip. Lib. Arch. & Doc. (SLADS), BA. Lib. & Info. (Tumaini), MA Info. (Dar)

##### *Senior Library Assistant*

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)

J. M. Ng'onda, 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)

J. P. Telekako, Cert. Lib. Arch. & Doc. (SLADS)

#### **Finance**

##### *Assistant Accountant II and Head Finance Unit*

P. J. Kimondo, Dip. Ed. (Dar), ADA (CBE), PGDBA, (CBE)

##### *Accountants*

P. J. Kimondo, Dip. Ed. (Dar), ADA (CBE), PGDBA, (CBE)

H. Said, ADA (Mzumbe)

S. Komba, Dip. Buss Adm. (CBE) C. Hongoli, ADA (TIA)

V. Mwanyika, ADA (TIA)

E. Mbena, ADA (TIA)

L. P. Mtavangu, ADA (TIA)

A. S. Mkamia ADA (TIA)

C. E. Francis, ADA (Mzumbe), PGDA (Arusha), CPA-NBAA

R. L. Mayapira, ADA (IAA)

S. Mrikaria, BBA (Iringa), Cert. BA (RUCO), Cert. Secretarial (VETA)

#### *Secretary*

E. Lutego (Ms), Cert. Secretarial (VETA) D. Nchemwa, Cert. Secretarial (TPSC)

M. Waziri, Dip. Records Mgt. (TPSC) (Dar)

#### **Internal Audit Unit**

O. R. Chamlima, Principal Internal Auditor, Bachelor of Accounting and Finance (MU), CPA (T), NBAA

#### *Internal Auditor*

O. R. Chamlima, Principal Internal Auditor, Bachelor of Accounting and Finance (MU), CPA (T), NBAA

V. Mwanyika, ADA (TIA)

#### **MUCE Health Centre**

##### *Principal Medical Officer II and medical Officer in Charge*

S. Lyuba, MD (MUHAS), MMED (KCMC)

##### *Principal Medical Officer*

S. Lyuba, MD (MUHAS), MMED (KCMC)

S. Likondangoma, MD & BS Fudan University-China, Masters in Obstetrics/ Gynaecology

#### *Clinical Officers*

A. Shamady, Dip. Clinical Medicine (Mbeya Medical) I. Mbilinyi, Dip. Clinical Medicine (Sumbawanga)

E. Mahenge, Dip. Clinical Medicine (Mvumi)

K. C. M. Mackenza, Adv. Dip. Clinical Medicine (Mafinga)

E. Kabuka, Dip. Clinical Medicine (Mvumi)

S. Ally

#### *Medical Lab. Technicians*

P. Nyeho, Cert. Laboratory (Health Lab. Training Centre), Dip. in Med. Lab. Sc.

A. Mlengule, Cert. Medical Lab. (Ikonda MLSS); Dip. Lab. Technology (Muhimbili)

S. Luvunga, Adv. Dip. Med. Lab (Ikonda)

E. Ngulo, Cert. Laboratory (Medical Training Institute) F. Nyigu, Dip. Lab. Technology (Ikonda MLSS)

#### *Pharmaceutical Technicians*

C. Nyange, Dip. Pharmaceutical Sciences (Dar), B. pharm

M. Ngakola, Dip. Pharmaceutical Sciences (Dar)

#### *Nurses*

\*J. Mpotora, Adv. Diploma Public Health Nursing (Nursing Training Centre)

W. G. Vahaye, Dip. Nursing (Muhimbili), PGD. Science Intensive Care (Stellenbosch, S.A)

D. Bernard, Dip. Nursing (Nkinga Tabora), BSc. Nursing

C. Lilanga, Dip. Nursing (Ndanda), BSN (St. John's University of Tanzania)

E. Kapesa, Dip. Nursing & Midwife (Muhimbili), BSc. in Nursing (St. John's University of Tanzania)

D. Antapa, Dip. Nursing (Ndanda)

F. Nguli, Dip. Nursing (Ndanda)

E. Komba, Cert. Nursing (Peramiho), Dip. Nursing (Hubert Kairuki)  
E. Kimaro, Dip. Nursing (Ilembura Nursing School)  
G. Mlimakifi, Cert. Nursing and Midwifery (Peramiho Nursing School)  
J. Lwila, Cert. Elementary Nursing (Iringa Government. Hospital)  
O. Mwashota, Cert. in Nursing

#### *Health Attendants*

Z. Mgao, Cert. Elementary Nursing (Tosamaganga)  
M. Nyiti, Cert. Nursing & Midwifery (Njombe Nursing School) B. Kikungwe, Cert. Elementary Nursing (Iringa Hosp. College)

#### *Launderers*

R. Kisapi, Cert. in Laundry Att.  
E. Kifwamba, Cert. in Laundry Att.  
D. Kalolo, Cert. in Laundry Att.

#### *Secretary*

N. Wadeya, Cert. Records Mgt.  
R. A. Kibajiro, Dip. in Secretarial

#### **Procurement and Management Unit**

##### *Supplies Officer and Acting Head of Unit*

F. Chitanda, ADPS (TIA), CPSP (T) (PSPTB)

##### *Supplies Officers*

A. Mtema, NSC (DSA), CPSP (T), (PSPTB), PGDM (Tumaini), MSc PSCM (Mzumbe)  
G. H. Mlay, NSC (DSA), P (II) (DSA)  
\*F. Chitanda, ADPS (TIA), CPSP (T) (PSPTB)  
N. Madofe, BA PSM (MUCCOBS), CPSP (T) (PSPTB), MSc PSCM (Mzumbe)  
J. Station, ADPS (TIA), CPSP (T) (PSPTB)  
C. Stephen, SLADS (Bagamoyo), B.B.A-P&L (RUCU)

#### **Registry**

##### *Higher Clerical Officer I and Head Registry*

L. Sapachuma, Cert. & Dip. Records Mgt. (TPSC)

##### *Clerical Officers*

S. Koko, Cert. Computer (VETA), Dip. Records Mgt. (TPSC)  
L. Sapachuma, Cert. & Dip. Records Mgt. (TPSC)  
M. Hamza, Cert. records Mgt. (TPSC)  
D. Matemanga, Cert. & Dip. Records Mgt. (TPSC)  
N. Wadeya, Cert. Records Mgt. (TPSC)  
M. Waziri, Cert. & Dip. Records Mgt. (TPSC)  
D. Matemanga, Dip. Records Mgt. (TPSC)  
M. Charles, Cert. records Mgt. (TPSC)

#### **Systems Administration Unit**

##### *Senior Systems Administrator II and Head of Unit*

F. Mahuwi, Dip. (Computer Science) (RMIT), B.Sc. (RMIT), M.Sc. (IT & Mgt) (Avinashillingham)

#### *Systems Administrators*

I. Mwagha, Cert. Computer Arch. & Network (India), Inter Dip. ICT (IIT), B.Sc. IT (India)  
J. Buberwa, B.Sc. Eng & PGD Scientific Computing (Dar), MSc. (IT& Mgt) (Avinashillingham)  
S. Majimoto, Dip. Computer Eng. (New Horizons), B.Sc. IT (Tumaini)

#### *Computer Operators*

\*D. Malogo, Cert. Computer (UCC)

#### **Estates Department**

##### *Senior Estates Officer III and Head of Department*

A. Said, Dip. Ed (Monduli), BSc. Agric. Eng. (SUA)

##### *Estate Officers*

R.R. Mwaipungu, B.Sc. Highway Engineering (China), M.Sc. Highway Engineering (Dar), PhD (Durban)  
P. Korrosso, B.Sc. Architecture (Dar), MSc. In Facilities Mgt. (Leeds Metropolitan)  
S. Mrumah, B.Sc. Land Management & Valuation (Dar)  
A. Said, Dip. Ed (Monduli), BSc. Agric. Eng. (SUA)  
S. Kullagwa, FTC (MIST), BSc. Tech. in Architecture (MUST)  
G. Sarimbo, BSc. Architecture (Dar)  
F. Ngajilo, BSc. Ed (Dar), MSc. Geog. & Env. Mgt. (Dar)  
G. Ngelime, Dip. In Inter. Const. Mgt. (Bath), B.Sc. in Building Ec. (Dar)

##### *Technicians*

\*B. Mohamed, FTC (DIT)  
R. Nicholas, Dip. In Water Resource Eng. (Rwegarulila)  
F. Mwangabo, FTC (MIST)

##### *Artisans*

D. Kiboye, Cert. Electrical (VETA)  
M. Mahemba, Cert. Carpentry & Joinery (VETA)  
R. Njota, Cert. in Plumbing (VETA)  
\*B. Malomela, Cert. Electrical & Cert. Vocat Teaching (VETA-Dar)  
C. Mwachota, Cert. Carpentry (Rwegarulila)  
P. Sigimba, Grade I Test (VETA)  
D. Ikandilo, Cert. in Cosmetology (VETA)

##### *Health Officer*

C. Nissilu, Cert. in Env. Health Assistant, Adv. Dip. Env. Health Sciences (Dar)

#### **Office of the Dean of Students**

##### *Principal Warden and Dean of Students*

W. Mdegela, B. D (Tumaini-Makumira), MPA (Mzumbe)

##### *Wardens*

W. Mdegela, B. D. (Tumaini-Makumira), MPA (Mzumbe)  
L. Asajile, Dip. Ed (Korongwe), Dip. Acc & Mgt (Jersey), B.A. Sociology (Dar), MBA (Tumaini)  
W. Kaissy, Dip. Ed (Chang'ombe), B.A. Ed (Dar) E. B. Kilegu, Dip.Ed (Morogoro), B.A. Ed (Dar)  
P. Stephano, Cert. Records Mgt (TPSC), B.A. Ed (Dar) A. Hussein, B.A. Ed (Dar), MPA (Mzumbe)



A. Egidius, B.A. Community Development (Tumaini)  
K. Mhema, BA. Ed (Dar)

### **Auxiliary Police Unit**

*Auxiliary Police and Head, Auxiliary Police Unit*

G. Mkumbi, Cert. Basic Police Training (CCP- Moshi), Cert. Inspectorate (Kidatu)

#### *Auxiliary Police*

G. Mkumbi, Cert. Basic Police Training (CCP- Moshi), Cert. Inspectorate (Kidatu)

W. M. Mboje, Dip. in Comm. Dev. (Rungemba), Cert. Basic Police Training (CCP- Moshi), Sargent Course (CCP- Moshi), Staff Sergeant Course (CCP- Moshi), CID Course (Uganda Management Institute)

N. Nyimbo, Cert. Basic Militia Training (Mlalakuwa), Cert. Basic Auxiliary Police (Kidatu)

S. Ntinginya, Cert. Basic Police Training (CCP Moshi)

P. Komba, Cert, Law& Prison Officer (UDSM), Cert. Basic Prison Training & Cert. in Corporal Course (Kiwira),

R. Simon, Cert. Basic Police Training (CCP-Moshi)

### **Transport Unit**

#### *Drivers*

S. Kayuga, GCE (Dar Tech), Adv. Driving Cert. (NIT), MV Mechanics Grade I (VETA)

S. Natupu, Driving Cert. & Adv. Driving Cert. (NIT)

C. Chogo, Driving Cert. (VETA) Adv. Driving Cert. (NIT)

D. Singo, Driving Cert (IAE), Adv. Driving Cert. (NIT)

P. Sigimba, Grade Test I (VETA)

#### *Secretaries*

R. Kalonga, Cert. Secretarial (TPSC), Dip. Business Administration (RUCO)

S. Kalokola, Cert. Secretarial, Dip. Secretarial, (TPSC) N. Mhandeni, Cert. Secretarial, Dip. Secretarial (TPSC) M. Mshangama Cert. Secretarial (TPSC)

\*L. Balama, Cert. Secretarial (TPSC) S. Ngole, Cert. Secretarial, (VETA)

S. Mrikaria, Cert. Secretarial (VETA)

\*A. Mgando, Cert. Secretarial (TPSC)

E. Hongoli (Ms), Cert. Secretarial (Msimbazi), Dip. Secretarial & Office Management (K.I.U)

J. Shija (Ms), Dip. Secretarial (Shukurani)

\*E. Lutego (Ms), Cert. Secretarial (VETA) D. Nchemwa, Cert. Secretarial (TPSC)

S. Joseph Cert. Secretarial (TPSC)

N. Kibonde, Dip. Secretarial (TPSC)

G. Msolla, Dip. Secretarial (Shukurani)

F. Rutashobya, Dip. Secretarial, Dip. Secretarial (TPSC) R.A. Kibajiro, Cert. Secretarial (TPSC)

S. Mkoroma, Secretarial Certificate, Diploma (TPSC) J. Tembekeza, Secretarial Certificate (TPSC)

**\*On Study Leave**