MUHIMBILI UNIVERSITY OF HEALTH AND ALLIED SCIENCES

COMPETENCY BASED PROGRAMMES
UNDERGRADUATE PROSPECTUS
2015/2016 – 2016/2017



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VICE CHANCELLOR'S STATEMENT



I am delighted to introduce the undergraduare education prospectus for the academic period 2015/2016 – 2016/2017. This prospectus provides a synopsis of diverse undergraduate academic programmes for Health and Allied Sciences offered by the different academic units of the University as well as key information that is intended to guide prospective and registered students of MUHAS on competency based education. Your attention is drawn to the strong emphasis given to competence building and training in professionalism in each programme of study. The overarching goal is to train highly competent graduates equipped with the requisite competencies and professional attributes for ethical conduct and practice in health care delivery at national, regional or global levels.

Since its establishment as a higher learning institution more than 50 years ago the growth and development of this institution has been quite remarkable. It is regarded as a premier Institution in health sciences mainly because of its demand-driven health-related competency-based programmes and good track record of the graduates. This prospectus outlines each undergraduate Programme and explains the criteria for student eligibility, examination rules and regulations and other special academic requirements for the competency based education.

In total MUHAS currently offers 10 diploma programs, 14 undergraduate programs to over 3,000 students. A total of 300 highly trained and experienced faculty in five schools and two institutes administer the various academic programmes summarized in this prospectus. MUHAS also prides itself in twelve directorates, which carry out various functions and coordinate activities aimed at enabling MUHAS to implement its core functions of teaching, research and public service.

The University library is a leading medical and health sciences library in the country. Currently it has more than 75,000 volumes of books on a variety of health related disciplines.

MUHAS ICT Network allows users to access a variety of online journals. The library is solar powered and has a 24 hours reading room, discussion and computer rooms.
The strategic location of the MUHAS muhimbili campus , about one kilometer from the Dar es Salaam city centre, the commercial capital of Tanzania, offers an intellectually stimulating environment coupled with rich cultural, social, sporting and political life. Proximity to other highly reputable public and private higher learning institutions also provides multiple opportunities for peer interaction, which is both academically and socially beneficial to student life. The University is developing a new campus in a 3800 acres land at Mloganzila, 25 km from Dar es Salaam city. The process of construction of the University hospital has started and plans for the development of other facilities are already in place. In about two to three years MUHAS students and staff will enjoy state of the art facilities conducive for teaching, learning, research and public service.

The Vision of MUHAS is *"a University excelling in quality training of health professionals, research and public services with a conducive learning and working environment"*.

It is my hope that you will find this prospectus resourceful and use it to guide you and plan your activities while at MUHAS. It is my pleasure to welcome you to this University if you have already chosen to study here and encourage prospective candidates to make the necessary preparations that will enable them to make the right choice and join MUHAS in future.

Prof. E. E. Kaaya
Vice Chancellor **Dar es Salaam**
Muhimbili University of Health and Allied Sciences **September 2015**

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This prospectus is published to guide undergraduate students in the University during the academic year 2015/2016- 2016/2017. The information in this publication is correct at the time of going to press, but all matters contained in the prospectus are subject to change from time to time both before and after students' admission.

CHAPTER ONE: GENERAL INFORMATION

1.1 INTRODUCTION

The Muhimbili University of Health and Allied Sciences (MUHAS) is a successor to the Muhimbili University College of Health Sciences (MUCHS). MUCHS was established through an Act No 9 of 1991, by upgrading the then Faculty of Medicine. The Faculty of Medicine started as the Dar es Salaam School of Medicine, established in 1963 by the Ministry of Health with the primary aim of training Clinical Officers. In 1968, the School was upgraded to a Faculty of Medicine of the Dar es Salaam University College of the University of East Africa and in 1970 Faculty of Medicine of the University of Dar es Salaam. In 1976 the Faculty of Medicine, academically belonging to the University fo Dr Es Salaam was administratively incorporated into Muhimbili Hospital to form the Muhimbili Medical Centre (MMC).

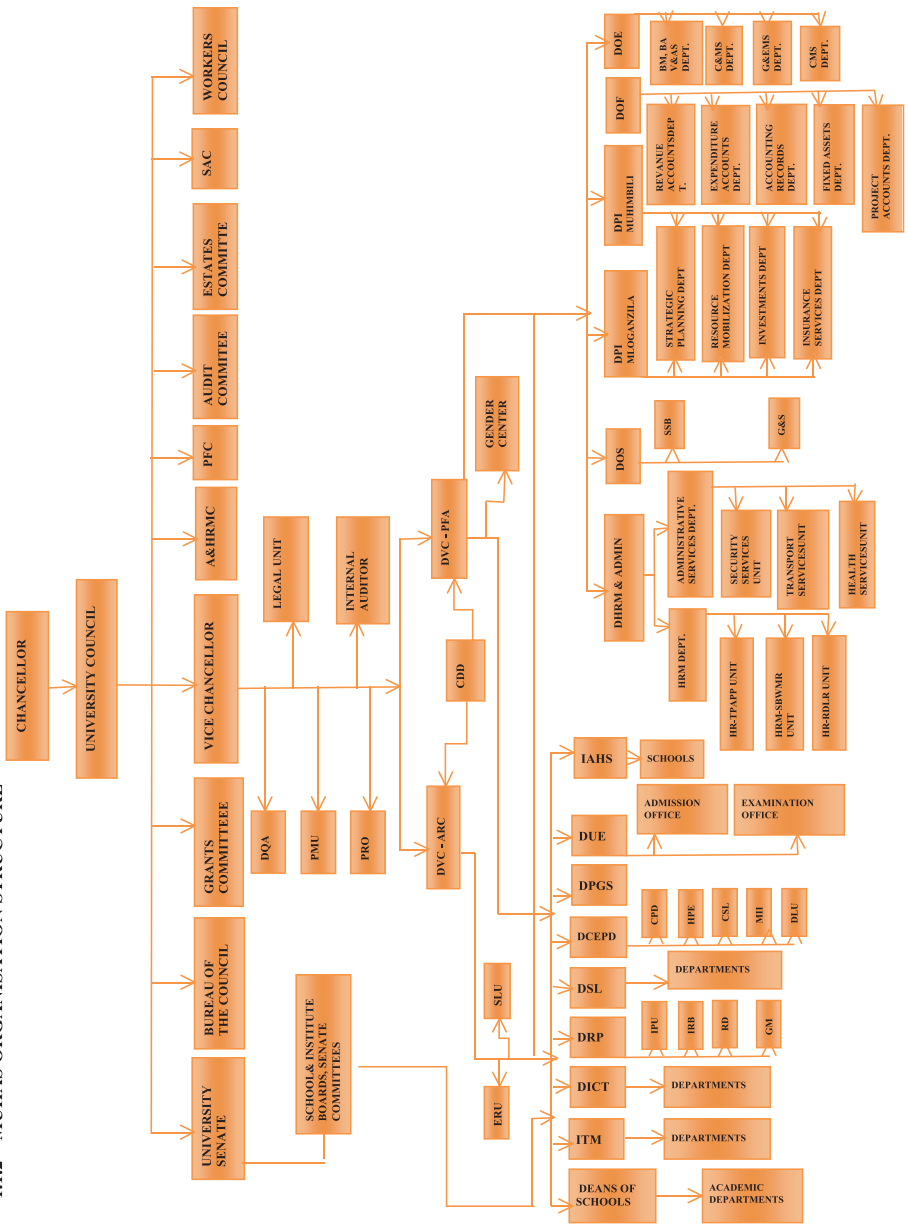
The Faculty of Medicine was then upgraded to a constituent College of the University of Dar es Salaam in 1991, with the aim of nurturing it to a full-fledged University. By an Act of Parliament MMC was disestablished in 2000 to create two closely linked but autonomous public institutions; namely MUCHS and the Muhimbili National Hospital (MNH). The Parliament Act No 9 of 1991 that established MUCHS was repealed in 2005. Subsequently, in 2007, MUHAS was established in line with the Universities Act No 7 of 2005.

The objectives of the University are the advancement of knowledge, diffusion and extension of technology and learning, the provision of higher education and research and, so far as is consistent with those objects, the nurturing of the intellectual, aesthetic, social and moral growth of the students.

The University has two campuses; Muhimbili Campus and Mloganzila Campus. Muhimbili Campus is situated in Ilala Municipality, in Upanga, 9United Nations Road. Mloganzila Campus is still new and in the process of development. It occupies 3,800 acres and is located 3 km off Dar es Salaam-Morogoro highway, 25 km from Dar es Salaam City Center. MUHAS has other facilities including, the Bagamoyo Teaching Unit at Bagamoyo and Kihonda, 8 km from Morogoro Municipality along Morogoro-Dodoma road. The two facilities are used for fieldwork during Community rotations and other research activities.

MUHAS has 91 programmes in biomedical, clinical and allied health sciences. These programmes are taught in the five Schools and oneInstitutes; 7 are diploma, 3 advanced diploma, 14 undergraduate Degree, 67 Postgraduate Degrees and PhD programmes. This prospectus provides guidance to all diploma and undergraduate students. A separate prospectus is available for postgraduate studies. An abbreviated description of the programmes is presented in the prospectus under the respective academic units and detailed in the individual curricula available in the Schools and Institutes. The office of Deputy Vice Chancellor Academic, Research and Consultancy coordinates teaching of all academic programmes while the office of Deputy Vice Chancellor, Planning, Finance and Administration coordinates planning, financial and administrative matters. The Directorates of Information Communication and Technology (ICT) and Library Services provide crosscutting support to all University units in information management.

1.1.2 MUHAS ORGANISATION STRUCTURE



1.2 LIST OF UNDERGRADUATE ACADEMIC PROGRAMMES OFFERED AT MUHAS

1.2.1 SCHOOL OF MEDICINE

(i) Doctor of Medicine (MD)
(ii) Bachelor of Medical Laboratory Sciences in Clinical Chemistry (BMLS Clin.Chem)
(iii) Bachelor of Medical Laboratory Sciences in Haematology and Blood Transfusion (BMLS Haem.BT)
(iv) Bachelor of Medical Laboratory Sciences in Histotechnology (BMLS Histotech.)
(v) Bachelor of Medical Laboratory Sciences in Microbiology and Immunology (BMLS Micro.Immunol.)
(vi) Bachelor of Medical Laboratory Sciences in Parasitology and Medical Entomology (BMLS Para.Entomol.)
(vii) Bachelor of Science in Radiation Therapy Technology (BSc RTT)
(viii) Bachelor of medical Laboratory Sciences General Degree.

1.2.2 SCHOOL OF DENTISTRY

Doctor of Dental Surgery (DDS)

1.2.3 SCHOOL OF PHARMACY

Bachelor of Pharmacy (B.Pharm)

1.2.4 SCHOOL OF NURSING

(i) Bachelor of Science in Nursing (BSc N)
(ii) Bachelor of Science in Nursing (Management) (BScN Management)
(iii) Bachelor of Science in Midwifery (BScM)

1.2.5 SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

Bachelor of Science in Environmental Health (BSc. Env. Health)

1.2.6 INSTITUTE OF ALLIED HEALTH SCIENCES

Diploma Programmes

(i) Diploma in Medical Laboratory Sciences (DMLS)
(ii) Diploma in Environmental Health Sciences (DEHS)
(iii) Diploma in Prosection (DP)
(iv) Diploma in Diagnostic Radiography (DDR)
(v) Diploma in Orthopaedic Technology (DOT)
(vi) Diploma in Pharmaceutical Science (DPS)
(vii) Diploma in Nursing (DN)

Advanced Diploma Programmes

(i) Advanced Diploma in Nursing Education (ADNE)
(ii) Advanced Diploma in Dermatovenereology (ADDV)
(iii) Advanced Diploma in Medical Laboratory Sciences (ADMLS)



AphotographofMUHAStopUniversityofficials at the New Campus Hospital Mloganzaila

1.2.9 APPLICATION PROCEDURES

1.2.9.1 UNDERGRADUATE PROGRAMMES

(i) Applicants with A- Level Qualifications (Direct Entry scheme): - Applicants with A- Level qualifications (direct entry scheme) and applicants who hold foreign A – Level Certificates should apply for the degree courses through the Tanzania Commission for Universities (TCU) Central Admission System (CAS) through website www.tcu.org.tz.

(ii) Applicants with Equivalent Qualifications: - Applicants under equivalent qualifications should also apply through the TCU CAS. A cetratin category of equivalent enry applicants may be allowed by TCU to apply for admission directly to the University, and this category should obtain application forms and the instructions from MUHAS admission office or website www.muhas.ac.tz.

1.3 ENTRY REQUIREMENTS FOR UNDERGRADUATE PROGRAMMES

The minimum entry requirement into this University for undergraduate programmes is three principal passes at “C” grade at “A” level.

1.3.1 MD and DDS

Direct entrants

(i) A minimum of three principal passes at "C" grade or higher at "A" level in the following subjects: Chemistry, Biology and Physics/Mathematics. Preference will be given to applicants with B grade or above in Chemistry or Biology in that order.

(ii) Candidates with D in Physics/Mathematics at "A" level provided they have "B" or higher in Chemistry and/or Biology.

Equivalent Qualification

The candidate should have a Certificate of secondary Education Examination (CSEE) with passes in five (5) approved subjects obtained prior to sitting for Advanced Certificate of Secondary Education Examination (ACSEE) in one sitting or equivalent. This qualifications are applicable to equivalent requirements for all undergraduate courses PLUS;

(i) Appropriate Diploma and or Advanced Diploma, accredited by a relevant authority and approved by the University Senate, with an overall "B" grade /or GPA 2.7 minimum performance. Principal passes at any grade in Physics, Chemistry and Biology at "A" level will be an added advantage.

(ii) Holders of BSc degree with a lower second-class majoring in Physics/Mathematics, Chemistry and Biology or Zoology.

1.3.2 BMLS

Direct entrants

(i) A minimum of three principal passes at C grade or higher in Chemistry, Biology, and Physics/Mathematics, Preference will be given to applicants with B grade or above in Chemistry or Biology in that order.

(ii) Candidates with C in Physics/Mathematics at "A" level provided they have a B grade or above in Chemistry and/or Biology.

Equivalent Qualification

(i) Holders of appropriate Diploma and or Advanced Diploma in Health Laboratory Sciences accredited by a relevant authority and approved by the University Senate, with an overall "B" grade /or GPA 2.7 minimum performance. Principal passes at any grade in Physics/Mathematics, Chemistry or Biology at "A" level will be an added advantage.

1.3.3 BSc RTT

Direct entrants

(i) A minimum of three principal passes at C grade or higher in Chemistry, Biology, and Physics/Mathematics. Preference will be given to applicants with B grade or above in Chemistry or Biology in that order.

(ii) Candidates with D in physics/Mathematics at "A" level provided they have a B grade or above in Chemistry and/or Biology.

Equivalent Qualification

(i) Holders of a Diploma and or Advanced Diploma in Diagnostic Radiography accredited by a relevant authority and approved by the University Senate with an overall "B" grade /or GPA 2.7 minimum performance. Principal passes at any grade in Physics/Mathematics, Chemistry and Biology at "A" level will be an added advantage.

The minimum entry requirement into this University for undergraduate programmes is three principal passes at "D" grade at "A" level.

1.3.1 MD and DDS

Direct entrants

(iii) A minimum of three principal passes at "C" grade or higher at "A" level in the following subjects: Chemistry, Biology and Physics/Mathematics. Preference will be given to applicants with C grade or above in Chemistry or Biology in that order.

(iv) Candidates with E in Physics/Mathematics at "A" level provided they have "C" or higher in Chemistry and/or Biology.

Equivalent Qualification

The candidate should have a Certificate of secondary Education Examination (CSEE) with passes in five (5) approved subjects obtained prior to sitting for Advanced Certificate of Secondary Education Examination (ACSEE) in one sitting or equivalent. This qualifications are applicable to equivalent requirements for all undergraduate courses PLUS;

(iii) Appropriate Diploma and or Advanced Diploma, accredited by a relevant authority and approved by the University Senate, with an overall "B" grade minimum performance. Principal passes at any grade in Physics, Chemistry and Biology at "A" level will be an added advantage.

(iv) Holders of BSc degree with a lower second-class majoring in Physics/Mathematics, Chemistry and Biology or Zoology.

1.3.2 BMLS

Direct entrants

(iii) A minimum of three principal passes at D grade or higher in Chemistry, Biology, and Physics/Mathematics, Preference will be given to applicants with C grade or above in Chemistry or Biology in that order.

(iv) Candidates with E in Physics/Mathematics at "A" level provided they have a C grade or above in Chemistry and/or Biology.

Equivalent Qualification

(ii) Holders of appropriate Diploma and or Advanced Diploma in Health Laboratory Sciences accredited by a relevant authority and approved by the University Senate, with an overall "B" grade minimum performance. Principal passes at any grade in Physics/Mathematics, Chemistry or Biology at "A" level will be an added advantage.

1.3.3 BSc RTT

Direct entrants

(iii) A minimum of three principal passes at D grade or higher in Chemistry, Biology, and Physics/Mathematics. Preference will be given to applicants with C grade or above in Chemistry or Biology in that order.

(iv) Candidates with E in physics/Mathematics at "A" level provided they have a C grade or above in Chemistry and/or Biology.

Equivalent Qualification

(ii) Holders of a Diploma and or Advanced Diploma in Diagnostic Radiography accredited by a relevant authority and approved by the University Senate with an overall "B" grade performance. Principal passes at any grade in Physics/Mathematics, Chemistry and Biology at "A" level will be an added advantage.

1.3.4 BPharm

Direct Entrants

(i) A minimum of three principal passes at "C" grade or higher at "A" level in the following subjects: Chemistry, Biology and Physics/Mathematics. Preference will be given to applicants with B grade or higher in Chemistry or Biology in that order.

(ii) Candidates with D in Physics/Mathematics at "A" level provided they have B grade or higher in Chemistry and/or Biology.

Equivalent Qualifications

(i) Holders of an appropriate Diploma and or Advanced Diploma accredited by a relevant authority and approved by the University Senate, with an overall "B" grade minimum performance. Applicants should have O-level passes in Mathematics, Physics, Chemistry, Biology and English

(ii) Holders of BSc, degree with a lower second class majoring in Physics, Chemistry and Biology or Zoology.

1.3.5 BSc Nursing

Direct Entrants

(i) A minimum of three principal passes at "D" grade or higher at "A" level in the following subjects: Biology, Chemistry, Physics/Mathematics,Nutrition, Geography and Agriculture.

(ii) Candidates with E in Physics OR S in Mathematics at "A" level provided they have C grade or higher in Chemistry and/or Biology.

Equivalent Qualifications

(i) Holder of Diploma or Advanced Diploma in Nursing, accredited by a relevant authority and approved by the University Senate, with a minimum of an overall "B" grade performance, and registered by the Nursing Council of Tanzania or a relevant body in her/his country, if not a Tanzanian national PLUS;

(ii) The candidate should have a certificate of secondary education examination (CSEE) with three passes in SIX approved subjects that include Biology, Chemistry,Physics/Mathematics, Geography, Agriculture/Nutrition and English. Principal passes at any grade in Physics/Mathematics, Chemistry and Biology at "A" level will be an added advantage.

1.3.6 BSc Midwifery

Direct Entrants

(i) A minimum of three principal passes at "D" grade or higher at "A" level in the following subjects: Chemistry, Biology, Physics/Mathematics, Nutrition, Geography and Agriculture.

(ii) Candidates with E in Physics OR S in Mathematics at "A" level provided they have C grade or higher in Chemistry and/or Biology.

Equivalent Qualifications

(i) Holder Diploma or advanced diploma in Nursing, accredited by a relevant authority and approved by the University Senate, with a minimum of an overall "B" grade performance and registered by the Nursing Council of Tanzania or a relevant body in her/his country, if not a Tanzanian national PLUS:

(ii) The candidate should have a certificate of secondary education examination (CSEE) with three passes in SIX approved subjects that include Biology, Chemistry,Physics/Mathematics, Geography, Agriculture/Nutrition and English. Principal passes at any grade in Physics/Mathematics, Chemistry and Biology in "A" level will be an added advantage.

1.3.7 BSc Environmental Health Sciences

Direct Entrants

(i) A minimum of three principal passes at "D" grade or higher at "A" level in the following subjects: Chemistry, Biology, Physics/Mathematics, Nutrition, Geography and Agriculture.
(ii) Candidates with E in Physics/Mathematics at "A" level provided they have C grade or higher in Chemistry and/or Biology.

Equivalent Qualifications

(i) Holders of a Diploma and or Advanced Diploma in Environmental Health Sciences recognized by this University with an overall "B" grade performance. PLUS:
(ii) The candidate should have a certificate of secondary education examination (CSEE) with passes in five (5) approved subjects that include Biology, Chemistry and Physics/Mathematics. Principal passes at any grade in Biology, Physics/Mathematics, Chemistry, Agriculture, Nutrition and Geography at "A" level will an added advantage.

1.4 ADMISSION REGULATIONS

(i) Successful applicants will be registered only after they have paid the requisite University fees and provided evidence of having a reliable sponsor.
(ii) Applicants who are employed must show evidence of release from their employers before they are allowed to register.
(iii) All students will have to join or show evidence that they are members of National Health Insurance Fund or other similar fund at the time of registration.
(iv) Fees paid will not be refunded, except under exceptional circumstances as determined by the University Management.
(v) All admitted students are expected to conform entirely to University regulations.
(vi) All new students are required to report for the orientation programme that normally takes place during the week preceding the beginning of the new academic year.
(vii) The deadline for registration of first year students will be four weeks, from the first day of the orientation week, while for continuing students it will be the Friday of the second week after the beginning of the semester. Failure to register in time the student will cease to be a bonafide student.
(viii) Except in exceptional circumstances, no student will be allowed to change the study programme later than the Friday of the second week after the beginning of the first semester. Transferring from one academic programme to another;or transfer from one institution to which the candidate has been allocated by TCU to MUHAS, will only be allowed where the student meets the required admission criteria for the academic programme for which transfer is being sought, and a vacancy exists in that programme. Following transfer, TCU shall be immediately notified of the same.

(ix) Students entering this University, as transfer cases cannot transfer grades obtained elsewhere unless the programmes from the other University are in the Credit Accumulation and Transfer System (CATS). Transfers should also conform to the TCU principles of credit transfter as outlined in the current TCU University Qualifications Framework.

(x) A student who intends to transfer for purposes of graduation at MUHAS shall be required to spend a minimum of two thirds of the duration of the programme of study at this University.

(xi) Where degrees are classified, the maximum transferable load is one academic year.

(xii) Udersgraduate students who freeze studies will be allowed to be away from University studies for a maximum of four semesters if they are to be re-admitted to the same year of studies where they left off.

(xiii) Students discontinued from studies on academic grounds from this or any other university shall only be eligible forre-admission or admission, respectively to this University for the same or any other programmes at least three years after discontinuation from studies.

(xiv) Students discontinued from studies on disciplinary grounds or due to examination irregularity shall not be re-admitted to this University.

(xv) Except under exceptional circumstances, no change of names by students will be entertained during the course of study at the University and they will only be allowed to use names appearing on their O- and A-level certificates.

(xvi) No student will be allowed to postpone or freeze studies after effective commencement of an academic year except under very special circumstances. Permission to postpone or freeze studies will be considered after producing satisfactory evidence of the reasons for postponement or freezing and written approval from the sponsor and Senate. Special circumstances shall include:

(a) Sickness;

(b) Serious social problems (each case to be considered on its own merit); and

(c) Severe sponsorship problems.

(xiv) Continuing students who have not signed the Higher Education Student Loans' Board (HESLB) Pay Sheets shall not be allowed to register for any semester. Any further disbursements from HESLB will be stopped.

1.4.5 Admission of Short-Term Students to Undergraduate Degree Courses

(i) A short-term student is one, whose studentship at the University is one academic year and who is not registered for the certificate, diploma or degree course of the University.

(ii) Applications will only be considered from those candidates who possess the University entrance qualifications or equivalent (B average) or higher qualifications for admission to the undergraduate degree course: -

(a) The application must be submitted through the applicant's University/College, to reach DVC-ARC at least two months before the beginning of the semester in which admission is being sought.
(b) The applicant's University/College should, if it supports the application, send a letter of recommendation to this University.

(iii) Short-term students are required to register as students of the University for one full academic year to any year of study as long as they meet the prerequisites. As registered students, all regulations governing full time students will apply to them unless otherwise stated.

(iv) Non-Tanzanian students are expected to conform to all immigration formalities in force in their countries before they depart for Tanzania. They must also obtain a Resident Permit from the nearest Tanzanian Embassy or High Commission before they arrive.

(v) Registration for all students, including short-term students, is in September/October of each year unless otherwise specified.

(vi) At the end of the academic year, they have to sit for University examinations. They may also sit for supplementary examinations in the courses they failed.

(vii) A short-term student may be discontinued on the following grounds: serious breach of University (including Examination) regulations, abscondment, and/or irregular attendance in classes.

(viii) Short-term students may transfer to a degree programme provided their performance is satisfactory and to be awarded a degree of this University must have done most of the work at least 2/3 of the requirements at the University.

(ix) Short-term students may be allowed to change status of registration from audit to credit course by permission from Senate and subject to meeting other requirements or prerequisites.

(x) Short-term students under special programmes will pay fees as prescribed in the terms governing the respective programmes while fees for other categories of short-term students will be paid proportionately as for regular students. Non- Tanzanian students will pay the fees in US$.

1.4.6 Admission of Occasional Students to Undergraduate Degree courses

(i) An occasional student is one whose studentship is less than one academic year.

(ii) The entrance qualifications are the same as for admission to undergraduate degree course or equivalent: -
(a) The application must be submitted through the applicant's University/College, to reach DVC-ARC at least six months before the beginning of the semester in which admission is being sought.
(b) The applications must be submitted through the applicant's University/College, which should, if it supports the application, send a letter of recommendation to this University.

(iii) Non-Tanzanian students are expected to conform to all immigration formalities in force in their countries before they depart for Tanzania. They

must also obtain Resident Permit from the nearest Tanzania Embassy or High Commission before they arrive.

(iv) Admission is on a semester basis to any year of study.

(v) Occasional students will neither sit for examinations nor get transcripts or grades except in special circumstances as may be approved by Senate or where regulations allow a special programme could be set up which is recognized by the University.

(vi) An occasional student will be discontinued on the following grounds:
   (a) Any serious breach of University regulations.
   (b) Abscondment.
   (c) Irregularattendance.

(vii) Occasional students may be allowed to audit courses by permission of the Senate.

(viii) Occasional students under special programmes will pay fees as prescribed in the terms governing the respective programmes while fees for other categories of occasional students will be paid proportionately as for regular students. Non-Tanzanian students will pay the fees in US$.

All correspondences about admission issues or enquiries should be addressed to:

Deputy Vice Chancellor, Academic, Research and Consultancy (DVC-ARC),
Muhimbili University of Health and Allied Sciences,
P.O. Box 65001,
Dar es Salaam, Tanzania.
E-mail: dvcarc@muhas.ac.tz
Tel.:+255 22 2150302-6 ext. 1235 Direct: +255 22 2150473

1.5 GENERAL UNIVERSITY EXAMINATION REGULATIONS

1.5.1 Regulation for registration of students

(i) Registration and payment to the University of all required or prescribed fees by a candidate for a course of study shall be deemed as adequate registration for the requisite examinations in the particular course of study.

(ii) All full-time students shall register at the beginning of each semester.

(iii) Subject to approval by the Senate, the Board of each School and academic Institute shall make such internal examination regulations that are necessary for the proper conduct, management and administration of examinations in accordance with the specific requirements of a particular degree, diploma or other awards of the School or academic Institute, as the case may be.

1.5.2 Regulations for students' professional conduct

(i) Every student shall be required to behave professionally and pass Professionalism and Ethics in Health science modules as offered in the respective programs and also pass the professionalism competency domains as assessed in the various modules, courses or rotations in the program.

(ii) Professionalism will also include attention to the patient, appropriate patient care, upholding of ethical behavior while handling patients, altruism and compliance to the approved University dress code. The following four principles shall be used to assess professionalism: -

Excellence	Knowledge, Skills, Commitment to exceed above ordinary standards. Attendance and active participation in formal learning sessions
Humanism	Respect of Seniors, Academia, Peers, and Ancillary Staff. Compassion, Empathy, Honesty and Integrity for the patient.
Accountability	Response to the needs of patients, Health care system, Regulations, Community and the Profession, beyond the call of duty.
Altruism	Best interest of patient, Patient needs being above one's own interest.

(iii) Any student whose behavior is considered to be unprofessional or lacks professionalism at any time shall be discontinued from studies by the disciplinary authority without any FURTHER enquiry.

(iii) A student whose performance in professionalism is unsatisfactory will be called for mentoring and remediation by a faculty committee appointed by the Head of the relevant Departmentduring the course and at the end of the semester. Failure to improve after such mentoring and remediation meetings, at the end of the semester, will necessitate an intervention by an academic committee appointed by the Dean/Director of the respective School/Institute, comprising of at least three (3) but not more than five (5) Senior academic staff, to discuss the the poor performance and unprofessional conduct with the candidate, warn him/her and inform of consequences of not improving in professionalism. If no improvement is achieved in performance, professional attitude and ethical conduct after the warning, by the academic committee and the candidate's professional behavior and performance in professionalism and ethics continues to be rated as unsatisfactory, shall be recommended for discontinuation from studies by Senate through the School/Institute Board at any point during the study period.

1.5.3 Eligibility for Examinations

(i) The Dean of a School or the Director of Academic Institute may bar any candidate from being admitted to any examination in any subject or course where the Dean or Director is not satisfied that the candidate has completed satisfactorily by attendance and otherwise the requirements of the subject or course. A student who misses 10% or more of the teaching time per course module/modular coursewill be barred from sitting forthe respective examination.

(ii) Where a candidate barred in accordance with paragraph 1.5.3 (i) enters the examination room and sits for the paper, his/her results in the paper shall be declared null and void.

(iii) A candidate whose work or progress is considered unsatisfactory may be required by the Senate on the recommendation of the School Board or Institute Board, as the case may be, to withdraw from the University or to repeat any part of the course before admission to an examination.

(iv) Candidates with unpaid tuition fees and all other prescribed fees shall not be allowed to sit for examination.

(v) Candidates who fail to sign the HESLB Pay Sheets shall not be allowed to sit for University Examinations.

NOTE: Specific regulations for each programme are described under the respective programme.

1.5.4 Absence from Examinations

A candidate who deliberately absents himself/herself from an examination or examinations without compelling reason(s) shall be discontinued from studies.

1.5.5 Board of Examiners

(i) University Examinations shall be conducted by a Board of Examiners which shall consist of one or more examiners appointed from outside the Examination Unit, in conjunction with one or more of the teachers of the candidates in the courses under examination. An exception to this is that in the case of the re-examination of candidates who have failed in the ordinary University examination, all the examiners may be appointed from within the University, provided that at least one of them had no part in teaching the courses under examination.

(ii) Notwithstanding the provisions of sub-paragraph 1.5.5 (i) University examinations conducted during and/or at the end of the Module/Semester may be conducted by internal examiners only provided that the results of such examinations shall be published in terms of regulation 1.5.11 (i)-(iii) at the end of each Semester.

(iii) External Examiners shall be entitled to such honoraria, as the Council shall prescribe.

1.5.6 Form of Examination

(i) In any examination a candidate may, at the discretion of the Board of Examiners, be required to attend an oral examination in addition to written and practical/clinicaland other type of examinations depending on the appropriate method of assessment.

(ii) The percentages of the total marks awarded for written, practical/clinical and oral examinations in any course shall be determined by the Senate on the recommendations of the appropriate School or Academic Institute Board and as described in this prospectus under each programme.

1.5.7 Dates of Examinations

(i) End of semester examinations in all Schools and Academic Institutes shall be held at a time to be determined by the Senate, which shall normally be at the end of each semester, subject to such exceptions as Senate may allow upon recommendation by a School, or academic Institute Board, and the Senate Undergraduate Education Committee or Senate Higher Degrees Committee, as the case may be.

(ii) Candidates who are referred and are required to do supplementary examinations shall be re-examined in the referred subjects at a time to be determined by the Senate or in particular cases by the relevant School/Academic Institute Board, as the case may be, which shall not be less than one month after the ordinary examinations at the end of the second semester in the academic year. In most instances supplementary examinations shall be done during the times specified under examination regulations for the specific programmes of study.

(iii) A candidate who, for a grave cause, was unable to present himself/herself in the ordinary examinations may, with the special permission of Senate, on recommendation of School Board or Academic Institute Board, present himself/herself for examination at a time fixed for any supplementary examination.

(iv) Not withstanding sections (i-iii) above it is the duty of the department to ensure that there is a documented regular formative Assessment and Assessment of competencies using appropriate tools.

1.5.8 Conduct of Examinations

(i) University examinations shall be conducted under the control of the DVC-ARC or such other officer of the University as the DVC-ARC may appoint.

(ii) The Senate, in the manner it shall prescribe, shall appoint the examiners for University examinations.

(iii) The DVC-ARC shall have power to issue such instructions, notes or guidelines to candidates, invigilators and examiners of University examinations, as he/she shall deem appropriate for the proper, efficient and effective conduct of such examinations.

(iv) The instruction notes or guidelines issued by the DVC-ARC under regulation 1.5.8 (iii) shall form part of and be as binding as these Regulations.

1.5.9 Appointment of External Examiners and Moderators

The main purpose of inviting examiners from outside the institution or department is to upraise the whole process of assessment including the examinations and make sure they meet the required quality and minimum standards. Their role is not to actively mark examinations.Appointment of External Examiners(External Moderators) and Internal Moderators shall be done by the University Senate on the recommendation of the School/Academic Institute Board and the Senate Undergraduate Education Committee or the Senate Higher Degrees Committee.

(i) External Examiners must be: -

(a) Senior University Faculty of the rank of Senior Lecturer and above.

(b) External to the University (another University in or outside Tanzania)
(c) Expert in the course/subject to be examined.
(d) Active researchers, with at least 3 publications within the last three years.

(ii) The tenure of appointed External Examiners shall be three consecutive years. Renewal may be done three years later after the last period of serving as an External examiner at the University.

(iii) Departments must ensure that External Examiners'assessment of students in their courses is done at least once in an audit year.

(iv) Appointment of Moderators internal to the university will only be considered when external examiners cannot be engaged for valid reasons. Moderators should be: -
(a) Senior University Faculty of the rank of Senior Lecturer and above
(b) External to the Department
(c) Expert in the course/subject to be examined or a related course
(d) Active researchers, with at least 3 publications within the last three years.

(v) External examiners and moderators guidelines shall be similar. These shall be provided by the office of DVC-ARC's and appended to the appointing letter.

(vi) After completion of theirassessment, the external examiners and moderators shall immediately forward their reports to the DVC – ARC and copies to the Vice Chancellor and Dean/Director of the Institute under confidential cover. The Dean of the School or Director of the Institute shall then directthe respective department to discuss the report and provide reactions to the comments made.

1.5.10 Examination Irregularities

(i) All cases of alleged examination irregularities, including alleged unauthorized absence from examination, possession of unauthorized material in the examination room, causing disturbances in or near any examination room and any form of or kind of dishonesty, destruction or falsification of any evidence of irregularity or cheating in examination, shall be reported to the Senate Undergraduate Education Committee or Senate Higher Degrees Committee as the case may be, which shall have power to summon the students and members of staff of the University, as it deems necessary and make decisions, subject to confirmation by Senate.

(ii) No unauthorized material shall be allowed into the examination room. Exchange of any material without permission from the invigilator or one student assisting another student will be an offence and shall lead to discontinuation from the studies.Unauthorized materials include papers, written notes (on paper or on any part of the body), books, cell phones or any other digital media, which can transmit information during examination or test.

(iii) Subject to confirmation by Senate, any candidate found guilty of bringing unauthorized material into the examination room in any part of the

examination process shall be deemed to have committed an examination irregularity and shall be discontinued forthwith from studies at the University.

(iv) Any candidate found guilty of cheating in relation to any part of the examination process shall be deemed to have committed an examination irregularity and to have failed in the whole of that examination for that year and shall be discontinued from studies at the University, subject to confirmation by Senate.

(v) Any candidate found guilty of causing disturbance in or near any examination room shall be deemed to have committed an examination irregularity and to have failed in the whole of that examination for that year and shall be discontinued from studies at the University, subject to confirmation by Senate.

(vi) Any candidate found guilty of commission of an examination irregularity and is aggrieved by the decision may appeal to the Senate in accordance with the provisions of regulation 1.5.19 of these Regulations.

(vii) In this regulation:

(a) "Unauthorized material" includes materials such as, but not limited to, any written, printed material or electronic gadget such as cellular or mobile phones, radios, radio cassette or other types of cassette players, computers, word or data processing digital instruments, soft and alcoholic drinks and any other material as may be specified from time to time by the DVC-ARC, the Dean of a School, Director of an Academic Institute or a Head of an Academic Department.

(b) "Unauthorized absence from examination" includes going out of the examination room, temporarily or otherwise, or staying out of the examination room for an unduly long period, without authorization or permission of the invigilator or one of the invigilators for the examination in question.

(c) "Cheating in examination" includes any form or kind of dishonesty or destruction or falsification of any evidence of irregularity.

(viii) The Senate may impose such a lesser penalty on a candidate found guilty of commission of an examination irregularity, depending on the gravity of the facts or circumstances constituting the offence, as the Senate may deem appropriate.

1.5.11 Publication of Results

(i) The provisional results of candidates in every examination, arranged in a manner as prescribed by Senate or, in that behalf, as provided under internal examination regulations of the relevant School or Academic Institute approved by Senate and not in conflict with these Regulations, shall be published by the Dean of the relevant School or Director of an Academic Institute soon after the School or Institute Board meeting, but the results shall not be regarded as final until they are approved by Senate.

(ii) Examination results, having been recommended by the School or an Academic Institute Board to the Senate Undergraduate Education Committee

or the Senate Higher Degrees Committee as the case may be, the Senate Committee shall make recommendations on the results and submit them to Senate for approval.

(iii) The Senate shall confirm the results of examinations for both Semesters at a time to be determined by Senate, which shall normally be at the end of the Second Semester of each audit year.

1.5.12 Progress from Year to Year

(i) Candidates who are full time undergraduate students are required to have attained a minimum GPA of 1.8 before proceeding to the following year of study.

(ii) A candidate who passes the examination with a C grade or higher will be declared to have passed the examination.

(iii) A candidate who scores a GPA of 1.6 or higher, but fails in up to 2 course(s)/ modules at the end of a semester or audit year shall be required to supplement in the failed modules in the course(s).

(iv) A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.

(v) A candidate who fails in three or more courses during semesters one (1) to two (2) for four to six (4-6) semester programmes and one (1) to four (4) for eight to ten (8-10) semester programmes shall be discontinued from studies regardless of GPA. To pass a course a candidate has to pass all the modules in that course.

(vi) A candidate who fails all courses shall be discontinued from the studies irrespective of the GPA.

(vii) A candidate may be allowed to sit for a second supplementary examination in failed course(s) if he or she has attained a GPA of 1.8 or above.

(viii) No candidate shall be allowed to repeat any year of study on academic grounds, except with special permission or approval of the Senate upon recommendation of a School or Academic Institute Board and the Senate Undergraduate Education Committee as the case may be.

(ix) To qualify for a degree award, the cumulative total minimum number of programme credits shall be a sum of the minimum number of course credits required per academic year for each degree programme that is: -

(a) Undergraduate degree programme shall have a minimum of 360 total credits.

(b) An undergraduate degree programme may have more than the minimum credits stated in 1.5.12 (vi) (a) depending on its duration.

1.5.13 Classification of Undergraduate Degrees of MUHAS

(i) The letter grades will be assigned grade points (GP) in accordance with the raw marks attained, as follows: -

Letter grade	A	B+	B	C	D	E
GP range	5.0 – 4.4	4.3 – 3.5	3.4 – 2.7	2.6 – 2.0	1.9 – 1.5	1.4 – 0.0
% Score	100 –75%	74 – 70%	69 – 60%	59 – 50%	49 – 45%	44 – 0%

(ii) Approved courses given for each degree shall be appropriately weighted in terms of credits.

(iii) To get the Score for each course, the grade points are multiplied by the number of credits of the course as in 1.5.13 (ii).

(iv) The total score for the degree shall be the total score for all countable courses taken by the candidate for the degree, computed as in 1.5.13 (iii).

(v) The average score (GPA) shall be computed by dividing the total score in 1.5.13 (iv) by the total weight obtained as in 1.5.13 (iii).

(vi) Except for MD, DDS, BScN, BScMidwifery and BScN Management degrees which are not classified, the final degree classification for other degrees shall be as follows: -

Class	First Class	Second Class – Upper Division	Second Class – Lower Division	Pass
Letter Grade	A	B+	B	C
GPA Range	5.0 – 4.4	4.3 – 3.5	3.4 – 2.7	2.6 – 2.0

1.5.14 Classification of Diplomas

(i) No diploma of the University shall be classified except with the special permission of Senate and upon recommendations of the Board of a relevant School or Academic Institute.

(ii) Where the Senate grants special permission for classification of a diploma, the provisions of regulation 1.5.13 shall apply subject to such necessary modifications, variations and conditions as the Senate may impose or prescribe.

1.5.15 Award

(i) The Board of Examiners in a School or Academic Institute, upon its satisfaction that the standard required under relevant regulations for the award of a degree, diploma or other award, as the case may be, has been attained by a candidate in University examinations applicable to him/her, may recommend to Senate through the relevant Board of a School or Academic Institute that such degree, diploma or other award be conferred upon or granted to such successful candidate.

(ii) The Senate may confer degrees and grant diplomas or other awards of the University to candidates who satisfy the relevant requirements and are recommended for such conferment or grant by the Board of Examiners in a School or Academic Institute.

1.5.16 Aegrotat Degrees

Candidates who have completed their course of study but have been absent, through illness, from part of the final examination for a first degree, may apply to the University for the award of an aegrotat degree, in accordance with the following regulations: -

(i) Candidates who have completed such portion of the examination as shall be determined by the School or Academic Institute Board are eligible to apply for an aegrotat degree.

(ii) Applications from, or on behalf of, candidates must reach the office of the DVC-ARC through the Dean of the School or Director of an Academic Institute within the period of the examination, and should be accompanied by a report obtained, from the Medical Officer approved by the University.

(iii) An aegrotat degree will not be awarded unless the examiners consider that, in the work he/she attended, the candidate reached a standard, which if also reached in the remainder of the examination should have qualified him/her for the award of the degree PROVIDED that only candidates who completed successfully the whole of their course work and at least 80% of the final written examination are eligible to apply for an aegrotat degree.

(iv) An aegrotat degree candidate shall not be eligible for the award of honours degree.

(v) Holders of an aegrotat undergraduate degree are not permitted to re-enter for the same examination, but may apply for permission to proceed to a second or higher degree on complying with the regulations for registration for such a degree.

1.5.17 Post-humous awards

A posthumous award may be awarded to a student who hasdied before graduationbut after qualifying for award of a degree of any academic programmes at the University.It is given by the University in order to acknowledge that if deathhad not occured, thestudent, who had fulfilled the requsite criteria,had the right to be confered the respectiveacademic award. Decision for posthumous award of undergraduate degrees and Diplomas therefore is made with due attention to academic and institutional integrity and accordingly, such awards will be given in line with the following regulations:-

(a) Criteria for award

An undergraduate degree or diploma may be awarded posthumously if:

(i) At the time of death, the student was enrolled in one of the academic programmes at the University;

(ii) The student was in good academic standing and successfully completed all requirements for the degree or diploma to be awarded;

(iii) A favorable recommendation for award of the degree or diploma is made by the student'sSchoool or Academic Institute Board as the case may be, and the Senate Undergraduate Education Committee; and

(iv) The Senate approves the award.

(v) The academic transcript shall be marked "Degree conferred posthumously" and placed in the student's file. The transcript shall not be released.

(b) Conferral of a Posthumous Award

(i) A posthumous degree will customarily be conferred at the regularly scheduled graduation ceremony *in absentia* orin the presence of a member of the student's family or their representative.

(ii) During presentation of the graduant's name, it will be mentioned that a posthumous award will be presented to him/her.

1.5.18 Certificates, Certification and Transcripts

(i) The Senate shall issue certificates for degrees, diplomas or other awards to such candidates as shall be declared to have satisfied the appropriate Board of Examiners and shall have been recommended to and approved by the Senate for the conferment or grant of such degree, diploma or other award.

(ii) A fee of TZS 50,000/= per copy for Tanzanian students or USD 50: - payable by telegraphic transfer for foreign students, or such other sum as the Senate may from time to time prescribe, shall be charged for certifying each copy of a degree/diploma certificate.

(iii) Upon application for a transcript, a student or former student shall be given a transcript of his/her academic performance record and charged a fee of TZS 30,000/= in respect of Tanzanian students or USD 30: - by telegraphic transfer for foreign students, or such other sum as the Senate may from time to time prescribe. Any finalist student desirous of obtaining a transcript shall submit to the office of the DVC-ARC an application for a transcript; a clearance form and one coloured passport size photograph for the preparation of the transcript.

(iv) Certificate and transcripts shall be issued to the respective former student in person. In the event that the former student is unavailable and wishes to entrust another person to collect his/her certificate and/or transcript on behalf, the collector must present a duly filled Power of Attorney that legally authorizes the agreement.

1.5.19 Loss of Certificate

In case of loss or total or partial destruction of the original certificate or a copy thereof, the University (Office of the DVC-ARC or such other office as the DVC-ARC may authorize in writing) may issue a copy or another copy on condition that: -

(i) The applicant produces a swornin affidavit.

(ii) The certificate so issued shall be marked **"COPY"** across it.

(iii) The replacement certificate will not be issued until a period of 12 months from the date of such loss has elapsed; except that such replacement may be

issued within a shorter period where there has been partial destruction of the original certificate or of a copy thereof.

(iv) The applicant must produce evidence that the loss has been adequately publicly announced with a view to its recovery in an officially recognized form or manner in the applicant's home country or where the loss is believed to have taken place.

(v) A fee of TZS 50,000.00 in respect of Tanzanian students or USD 50: -paid by telegraphic transfer in respect of foreign students, or such other fee as may be prescribed from time to time by Senate, shall be charged for the copy of certificate issued.

1.5.20 Appeals

(i) Except where unfair marking, wrongful computation of marks or grades or others like irregularity committed in the conduct of any University examination is alleged, no appeal shall lie in respect of any such examination on any other ground except under special considerations .

(ii) Any student or candidate aggrieved by a decision of the Senate Undergraduate Education Committee in terms of the provisions of regulation1.5.10 (viii) may appeal to the Senate for reversal or moderation of the decision of the Committee.

(iii) Any appeals made under regulation 1.5.20 (i) shall be lodged with the Board of the appellant's School or Academic Institute, which shall forward the appeal with observations to the Senate Undergraduate Studies Committee, whose observations and recommendation will be forwarded to Senate for approval.

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

(v) Appeals made under regulation 1.5.20 (ii) shall be lodged directly with the DVC-ARC who shall forward them to the Senate with observations and recommendations thereon.

(vi) Any person who has been involved at any stage in the processing of a case of alleged commission of an examination irregularity, whether at first instance or in preparation for the appeal, shall be barred from participation in the making of a decision over such a case, except for purposes 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 any such appeal.

(vii) No appeal pertaining to the conduct of any University examination and the marking of scripts thereof shall be entertained unless an appeal is lodged with the appropriate University authorities in accordance with these regulations

within **one** year from the date of publication of the results by or under the authority of the Senate.

1.5.21 Appeal Fee

(i) All appeals shall be accompanied by non-refundable appeal fee of ten thousand shillings (TZS 10,000/=) in respect of Tanzanian students or twenty dollars (USD 20.00) by Money Order in respect of foreign students.

(ii) The same rates or any other rates as approved by relevant organs shall be charged for any further appeal decisions.

1.5.22 Disposal of Examination answer books and other scripts

(i) Unless otherwise retained by the University Library for archival purposes, all used examination answer books/scripts shall be destroyed after the expiry of thirteen (13) months following final decision of Senate on the examination concerned. Examination results in electronic form shall be stored indefinitely in the Students Academic Record Information System (SARIS).

(ii) Heads of Departments concerned shall, with respect to examination answer books/scripts falling under their departments: -

(a) Create and maintain adequate records of actions and transactions affecting examination answer books/scripts to ensure that those records are properly maintained while waiting for any appeal or final disposal;

(b) Initiate the disposal procedures of those examination answer books/scripts for which there is no further need;

(c) Initiate immediate disposal of used examination answer books/scripts that have been stored by their departments for more than 13 months following respective Senate decision;

(d) Identify and safeguard those examination answer books/scripts which are of enduring value and which should be preserved as archives and made available to the Library for research and public consultation;

(e) Assist the University Library in selecting examination answer books/scripts designated for archiving purposes;

(f) Seek expertise presumably from the University Library to assist in the sampling answer books/scripts ear-marked for archiving;

(g) Designate a place or room as storage area for examination answer books/scripts awaiting appeals or final disposal;

(h) Store and retain course assignments for at least thirteen (13) months after completion of an examination concerned so that students are furnished with reasonable opportunity to obtain access;

(i) Witness and keep close control over final disposal of examination answer books/scripts to ensure the confidential nature of contents of answer books/scripts remain inviolate.

(iii) Pending final disposal, Heads of Departments shall ensure all information contained in examination answer books/scripts remain inviolate and is protected from misuse or abuse: -

(a) Respective School or Academic Institute Boards shall be responsible for prescribing under their special regulations clear guidelines for

returning to the students graded courses, assignments, course essays, semester papers and timed essays.

(b) Unless otherwise retained for archival purposes, Departments shall also initiate the final disposal of such other examination scripts as essays, objective question papers, laboratory works, models, studio papers or drawings that have been in retention or storage for the previous thirteen (13) months.

(c) The DVC-ARC shall cause to be prepared a disposal and storage budget and designate the cartons of various sizes or descriptions, which shall be used by Heads of Departments for thirteen (13) months storage of examination answer books/scripts pending final disposal.

(d) The cartons prescribed under sub-paragraph iii (c) above shall be so marked or labeled as to facilitate identification of the course, examination date, date of Senate decision, course coordinator and date when final disposal shall be due.

(iv) The University Library shall keep; maintain in any format including electronic, all answer books/scripts selected by Departments and sent to the Library for archival purposes, where necessary.

(v) The DVC-ARC shall select and announce at the end of each academic year the best available practice in disposing of the examination answer books/scripts due for disposal, as a reminder to Schools/Institutes and Departments.

(vi) Depending onpertaining circumstances as privacy of information contained, cost involved and environmental considerations, the DVC-ARC may with respect to any batch due for disposal, direct: -

(a) The disposal by shredding and then disposed of shreds by either burning or selling to companies for re-cycling; or

(b) Used examination papers shall be entirely burnt to completion.

(vii) The DVC-ARC on recommendation of the Deans shall be the principal executive officer responsible to order final disposal of any batch of examination answer books/scripts.

(viii) Heads of Departments shall witness final disposal of itemized examination answer books/scripts.

(ix) After disposal of the scripts there shall be a written report from the head of department describing the method and process used for disposal. The report from the Heads of Departments shall be forwarded to DVC-ARC through respective Deans. The disposal of examination answer books/scripts shall also include all copies of appropriate mark sheets and list of students who sat for the examination in question.

1.6 INSTRUCTIONS TO CANDIDATES

These instructions shall be read together with the above University regulations: -

(i) Candidates should make sure that they have been issued with Examination Numbers before Examinations begin.

(ii) Candidates must acquaint themselves with the seating arrangement for their respective examinations in advance.

(iii) Candidates are advised to be at the examination centre at least fifteen minutes before the commencement of the examinations.

(iv) Candidates will be admitted by the invigilator to the examination room ten minutes before the time the examination is due to begin. Examination papers shall be issued after all the candidates are seated in the examination room. They must not begin writing until they are told to do so by the Senior Invigilator. Where large numbers of candidates are affected, invigilators may admit candidates to the examination room fifteen minutes in advance. During these ten minutes the Senior Invigilator will: -

   (a) Make an announcement to the effect that all unauthorized materials should be removed from the examination room;
   (b) Make an announcement to the effect that candidates should satisfy themselves that they are in possession of the correct paper;
   (c) Call attention to any rubric at the head of the paper, which seems to require attention;
   (d) Announce that both sides of the paper must be used. He/she will then tell students when they may begin writing. Candidates will be given five minutes to read the paper.

(v) Candidates are permitted to do rough work on the left hand part of the scripts on the understanding that this is crossed through at the end of the examination.

(vi) No books, bags, or attaché cases may be taken by candidates into the room. Candidates are not normally allowed to use their own logarithmic tables. Candidates attention is specifically drawn to General UniversityExamination Regulation No. 1.5.10 (i - iii).

(vii) Once a student is found with unauthorized materials, he/she should sign on the materials to confirm they are his or hers.

(viii) No candidate will be permitted to enter the examination room after the lapse of thirty minutes from the commencement of the examination and no candidate will be permitted to leave the examination room until thirty minutes have expired. No candidate shall be allowed to move out of the examination room during the last 10 minutes of the examination.

(ix) At the end of the examination period, and on instructions from the Invigilator, candidates must stop writing and assemble their scripts, which they should personally hand to the invigilator unless instructed otherwise. Candidates must remain seated till the Invigilator tells them to leave the room. Apart from the examination questions paper, candidates are not allowed to take any examination material out of the examination room.

(x) Mobile phones, computers, word-processing electronics devices and anything of that nature are prohibited from the examination room.

1.7 NOTES TO INVIGILATORS

1.7.1 Procedure in the Examination Room

***Before the Examination**:*

(i) Invigilation of university examinations is one of the duties and responsibilities of all University faculty. Every academic staff may therefore be assigned to invigilate an examination.

(ii) Invigilators should be present in the examination room at least twenty minutes before the commencement of the examination.

(iii) Invigilators will be provided with the following items by the School Examinations Officer: -

  (a) The question papers to be attempted by candidates. *Sealed* envelopes containing question papers *must* be personally collected by each invigilator from the said Examinations Officer *at least twenty minutes* before the examination. All *invigilators* who have reported to the Examinations Officer within this period should immediately go to their respective examination room.

  (b) A list showing the names of the papers to be attempted in the room. (This will be distributed to invigilators in advance).

(iv) Invigilators must ensure that ONLY ONE answer book is provided for each candidate unless the rubric on the question paper requires otherwise. The answer book must be filled before any additional paper is provided.

(v) Question papers and any other material prescribed in the rubric (e.g. log-tables, charts etc.) should be set out by the invigilator with the help of the Internal Examiner.

(vi) Bags, books, attaché cases, papers and other related items should be left outside the examination room.

(vii) Invigilators should admit candidates to the examination room ten minutes before the commencement of the examination and they should ensure that they take the right places. Handbags, books and other similar articles must be deposited with the invigilator before the candidate is permitted to go to his/her place (where big numbers of candidates are involved, invigilators may admit candidates to the examination room fifteen minutes in advance). During these ten minutes the invigilator shall: -

  (a) Make an announcement to the effect that unauthorized materials are not allowed in the examination room,

  (b) Make an announcement to the effect that candidates should satisfy themselves that they are in possession of the correct paper,

  (c) Call attention to any rubric at the head of the paper, which seems to require attention;

  (d) Announce that, where this is practicable, both sides of the paper must be used. He/she shall then tell students when they may begin writing. Candidates will normally be allowed five minutes to read the paper.

(viii) Invigilators should not admit candidates to the examination room after half an hour from the commencement of the examination and should not permit them to leave the room until thirty minutes have expired.

During the Examination

(i) At the commencement of the examination, invigilators should remind candidates to ensure that they are attempting the right examination paper.

(ii) At the end of the first half hour the total numbers present should be noted down. Invigilators should then collect the blank answer-books from all vacant places. The Internal Examiner shall return spare question papers to the correct envelopes for collection.

(iii) During the examination, invigilators should ensure that candidates are provided with any additional requirements (e.g. scripts, blotting-paper, log-tables etc.). Candidates may be permitted to do rough work on the left hand pages of the script on the understanding that this is crossed out after the end of the examination. No candidate should be permitted to leave his/her place during the examination except to leave the examination room.

(iv) A candidate who contravenes the regulations and instructions governing the examinations, especially by unfair practices such a copying from or communicating with other candidates shall be reported immediately to the Examinations Officer.

(v) Once a student is found with unauthorized materials, the invigilator should ask the student to sign on the materials to confirm that they are his/hers.

(vi) The candidate shall be informed that he/she has contravened the regulations and that he/she has been reported, but shall not be prevented from continuing with his/her paper. A written report must be sent to the Examinations Officer including full details of the contravention. It is part of the invigilator's duty to move about the examination room as quietly as possible at frequent intervals.

At the End of the Examination

(i) Invigilators shall not permit candidates to leave their places before their scripts have been collected. Candidates who wish to leave the examination room before the end of the examination shall hand over their scripts to the invigilator before leaving the examination room.

(ii) No candidate shall leave the examination room during the last ten minutes of the time allocated for the examination except in case of emergency. *At the end of the examination period invigilators shall instruct the candidates to stop writing and then collect all the scripts.*

(iii) Invigilators shall enter the number of examination scripts collected from the candidate on the attendance sheet provided by the Examination Officer at the time of collecting the examination papers.

(iv) Invigilators shall sign the said attendance sheet before they hand over all the scripts to the Internal Examiners (or their deputies) who must be present in the examination room at the end of the examination. Where invigilators are also internal Examiners, there should be no problem of collection of scripts. On receipt of the scripts, Internal Examiners will check them and countersign on the collection form. The attendance sheets must be handed to the Examinations Officer at the end of each session.

(v) Invigilators shall hand over all extra examination papers to the Head of the relevant Department.

1.7.2 General Procedures during Examinations

(i) Internal Examiners (or their deputies) are required to attend in the examination rooms at the commencement of each period to assist the invigilators and to collect the scripts. Instructions, which the examiners (or their deputies) may wish to be given, should be announced by the invigilators.

(ii) Cases of illness should be reported to the Examinations Officers as soon as possible.

(iii) Invigilators shall have the power to confiscate any unauthorized book; manuscript or other aid brought into the examination room and to expel from the examination room any candidate who creates a disturbance. They shall report to the Examinations Officer any case of a candidate suspected of giving or obtaining unauthorized assistance or of attempting to do so, and that officer shall have power to take any further steps he/she may consider necessary. He/she shall then report the matter to the DVC-ARC.

(iv) "Examinations Officer" includes the Examination Officer's deputies.

1.8 BURSARIES AND FEES

At the beginning of the academic year, all students will be required to produce evidence of sponsorship by the Government or any other organizations, otherwise they will be expected to pay full tuition and University fees for the full first year, by the beginning of the term/semester before they can be permitted to use the University facilities. All local payments for fees should be by Bankers Cheque payable to the Bursar, MUHAS and all payments must be receipted. The tuition fees for the various programmes for Tanzanian students are indicated in Chapter six. Foreign students' fees are under review and are subject to change at any time but they are currently at a further surcharge of 50% of the tuition fees for Tanzanian students.

1.9 STUDENT ADMINISTRATION AT MUHAS

The office of the Dean of Students is responsible for the administration of student affairs, mainly personal and social welfare aspects of the students' life. This office provides the following facilities: - residence, games, sports, counseling and guidance.



Members of Student Services Bureau (SSB)

1.10 THE UNIVERSITY LIBRARY

The University Library is the largest national collection of health/medical resource. Its main function is to provide library and documentation services to support heath/medical services, research, teaching and consultancy at the University and Muhimbili National Hospital. However, the Library also serves other users from outside the two Muhimbili institutions on request. The MUHAS Library has four main divisions: Technical Services (Cataloguing and Classification); Reader services (Reference, Circulation, Information Desk and Special Reserve); Periodicals and Documentation; and ICT services.

The collection mainly comprises of books and periodicals in medicine and health. The Library has a rich collection of health and medical information materials, including government and research publications. It also includes electronic information resources, both off-line and on-line resources, such as CD-ROM, e-resources and Internet facilities that include a range of electronic journals and health databases like HINARI, Pub Med, Cochrane, Blackwell, Willey, and EBSC-HOST.

The broad areas covered include Medicine, Nursing, Dentistry, Pharmacy, Public Health and Basic Sciences. Social Sciences and Humanities are also covered, to a lesser extent. The collection currently comprises about 50,000 volumes of books and about 200 titles of periodicals. The library is currently subscribing to 30 peer reviewed journals.

The Library has a mixture of local content materials mostly generated from Tanzania and East Africa for example Tanzania Medical Journal, Tanzania Dental Journal and Dar es Salaam Medical Journal (Students' Journal). Other includes the East African Medical Journal and East African Journal of Public Health. Materials that are not available in the Library can be obtained that are not available in the library can be obtained from other libraries through inter-library loan arrangements and includes electronic delivery service.

Some health information materials are obtained from the Ministry of Health and Social Welfare (MoHSW).

The Library coordinates an Information Literacy Programme, which is integrated into the postgraduate course syllabus. The programme consists of 10 hours of Research Methodology course. Library academic staff forms the core of the teaching staff in this course.



Library staff helping a trainee during training on information literacy

Opening hours
Non-vacation period

- Monday – Saturday: 8.30 am – 6.30pm and 7.30pm-10.30 pm
- Sunday and Public Holiday: Closed

Vacation Period

- Monday – Saturday; 8.30 am- 6.30pm
- Sundays and Public Holidays: Closed

24- Hours Reading Room

- Open 24 hours including Sundays and Public Holidays

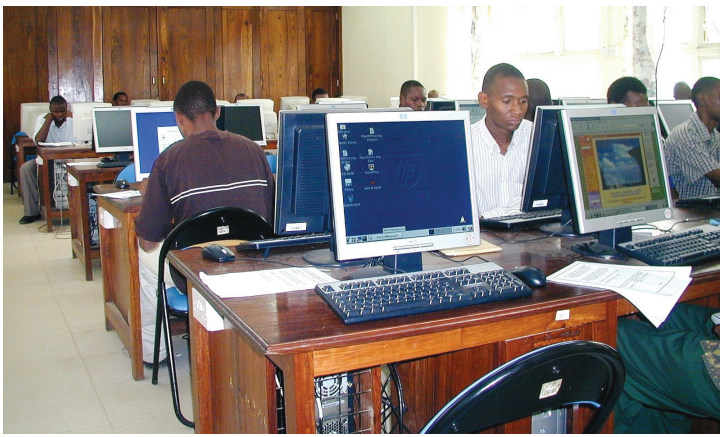
1.11 UNIVERSITY ICT SERVICES

Since 1998 the University has been providing ICT services to Academic Staff, Students, Researchers and Administrative Staff. These services include e-mail services and Internet services. The University has thereforeinvested in a powerful fiber optic network connecting all buildings thus providing high-speed data transmission (100Mbps/1Gbps). The communication gateway to the outside word is through a VSAT link currently operating at a bandwidth of 1Mbps/ 512 kbps (down/ up) upgradeable to 2/1 Mbps (down/up) and beyond as the financial situation improves. The Server Room is equipped with eight servers and eight routers. The servers provide e-mail access, Internet surfing,

on-line learning as well as digital library services. The routers function to separate information traffic to different buildings and reduce data jams. Two-5KVA uninterruptible power supply units protect these expensive instruments, a solar power back up system and inverters.

Nine lecture halls are fitted with permanently fixed multimedia projectors and desktop computers to provide lecturers with reliable teaching aids. Plans for the future intend to have such facilities in all teaching rooms. The operating theatre at the Muhimbili National Hospital has been fitted with a closed circuit TV to enable students follow up operations without having to be physically inside the theatres. This will greatly alleviate the congestion caused by the increased student intake. The University has recently acquired video conferencing facilities that will make it possible for lecturers to deliver telemedicine services to doctors in remote areas. The University recently received a donation of 50 computers from Kyoto computers Gakuin in Japan that greatly improved computer access by replacing defective PCs used by students and staff.

To ensure proper usage of ICT facilities especially Wireless internet services, student must sign agreements/contracts with DICT to deter the misuse of ICT facilities, which include inviting guest, friends and others to use wireless in campus, to use computers for huge downloads of songs, movies and illicit materials.



MUHAS Students searching information in the Computer Lab at the University

CHAPTER TWO: SCHOOL OF MEDICINE

2.1 INTRODUCTION

The School of Medicine (SOM) has committed itself to responding to major national and global challenges, in the contexts of a changing social, economic and political environment, and a substantial increase of student intake. The original School went through a number of milestones over the past 50 years to reach its present status. Recently completed major revisions of teaching programs from traditional to competency-based curricula, make the School an indisputable centre of excellence in Tanzania. The original curriculum has also seen several changes from the earlier term system, through a traditional semester system and the current competency-based modularized semester education system.

The Mission and Vision of the School of Medicine are aligned to the mission and vision of the University. The Mission of the school is "*Tosustain development of excellence in quality training of health and related professionals, research and service provision to the community using highly qualified experts within a state of the art environment"*

The Vision of the school is "*To bea competent and competitive School with an international reputation in quality training, research and service provision"*

The functions of the School and its activities are guided by the core components of its mission, which are:-

1. To be directly engaged in the creation, transmission and evaluation of knowledge in medical sciences, laboratory and radiation therapy treatment technologies in the pursuit of excellence in academic scholarship and intellectual inquiry through teaching, research and provision of advisory and public medical related services.
2. To provide a place of learning, education and research in medical, laboratory and radiation therapy treatment technology sciences and through this provide quality services commensurate with a good medical School.
3. To provide the labor market in Tanzania and Eastern Africa, with highly competent medical professionals and technologists able to contribute effectively to prevention, treatment and management of the health related problems of society. This is to be achieved through the prime principle of integrating research, teaching and advisory services in the immediate subject areas.
4. To contribute to the intellectual and professional life of Tanzania and Eastern Africa and to act as a focal point for continuing professional development, research and services that are of interest to the people of Tanzania.

In terms of output delivery the functions of the School can be stated as:

1. To provide undergraduate education in Medicine, Medical Laboratory Sciences and Radiation therapy technology for degree and non-degree programs.

2. To provide post-graduate education in different specialties and superspecialties of medicine
3. To support teaching of students/trainees from other Schools/Institutes at MUHAS as well as for stakeholders that are external to the University.
4. To prepare and publish, in its own right, medical educational materials in various fields of the clinical, diagnostic and biomedical sciences.
5. To conduct in its own right medical research and disseminate findings.
6. To carry out contracted medical research on behalf of third party clients
7. To carry out scientific educational, professional and technical consultancy services on behalf of third party clients.
8. To engage in cost containment and income generating ventures related to its outputs.
9. To provide in Tanzania a place of learning, education and research in health sciences and through these provide medical services of the highest standard and quality required and expected of a University.

The School of Medicine provides a highly dynamic environment for teaching and learning, research and service. The School has a research environment that enables the University to stay at the cutting edge of medical and related research. Faculty in the School has begun to utilize the field of Information Communication Technology (ICT) to keep pace with developments in the field and disciplines of medicine nationally and globally. Since the world is increasingly becoming more like one village, the school has realized that health is a global issue; understanding of and soultions to global concenrns such as HIV/AIDS, tuberculosis, avian flu, injecting drug use, or the ravages of war cannot be confined to one country or even one continent. Therefore there is need to ensure that students are conversant with global perspectives of health and health care.

Considering our mission and vision, the School in return expects that students undertake the programmes offered by the school with all enthusiasm, ethical conduct and professionalism and endeavor to become role models in their country. Competency based education introduced in the 2011/12 academic year, shifts teaching and learning in the school to a new paradigm, to ensure our graduates develop appropriate competencies and be responsive to the societies they will serve upon completion of their studies. Below is a description of the competency-based education programmes.

2.2 UNDERGRADUATE PROGRAMMES

2.2.1 Doctor of Medicine (MD) Degree Programme

Doctor of Medicine is a ten-semester (five years) competency based programme, leading to the MD degree of this University followed by a year's internship at an approved hospital. The first four semesters are largely devoted to basic sciences and introduction to clinical medicine, but also fieldwork and community training. The next six semesters are

largely practical and consist of junior and senior clerkships as well as community health training: The ten semesters are described below:

2.2.1.1 MD Degree Programme courses

Code	Course Name	Lectures		Practical/Clinical		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6 Credits							
AN 100	Anatomy	80	8.0	50	5.0	130	13.0
BC 100	Biochemistry	60	6.0	40	4.0	100	10.0
PH 100	Basic Physiology	115	11.5	74	7.4	189	18.9
BS 100	Behavioral Sciences	100	10.0	0	0.0	100	10.0
PF 100	Professionalism and Ethics	49	4.9	8	0.8	57	5.7
SEMESTER 2: 57.6 Credits							
AN 100	Anatomy	51	5.1	164	16.4	215	21.5
BC 100	Biochemistry	60	6.0	45	4.5	105	10.5
PH 101	Clinical Physiology	30	3.0	30	3.0	60	6.0
DS 100	Development studies	55	5.5	15	1.5	70	7.0
PF 100	Professionalism and Ethics	25	2.5	11	1.1	36	3.6
IT 100	Information and Learning Technologies	45	4.5	45	4.5	90	9.0
SEMESTER 3: 57.6 Credits							
MP 200	Pathology	81	8.1	37	3.7	118	11.8
MI 200	Microbiology and Immunology	110	11.0	78	7.8	188	18.8
PE 200	Parasitology and Entomology	58	5.8	52	5.2	110	11.0
ER 200	Epidemiology/ Research Methods	45	4.5	45	4.5	90	9.0
DS 200	Development Studies	55	5.5	15	1.5	70	7.0
SEMESTER 4:57.6 Credits							
MP 200	Pathology	118	11.8	74	7.4	192	19.2
ER 200	Epidemiology & Research Methods	35	3.5	35	3.5	70	7.0
CP 200	Clinical Pharmacology	106	10.6	96	9.6	202	20.2
PS 200	Psychopathology	36	3.6	0	0.0	36	3.6

Code	Course Name	Lectures		Practical/Clinical		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
EO 200	Environmental and Occupational Health & Nutritional Field Project	45	4.5	31	3.1	76	7.6
SEMESTER 5 and 6: 115.2 Credits							
IM 300	Internal Medicine	60	6.0	171	17.1	231	23.1
MH 300	Paediatrics and Child Health	60	6.0	171	17.1	231	23.1
MS 300	Surgery	60	6.0	171	17.1	231	23.1
MG 300	Obstetrics and Gynaecology	18	1.8	171	17.1	189	18.9
PF 300	Professionalism and Ethics	24	2.4	12	1.2	36	3.6
MD 300	Communicable Diseases Control	40	4.0	90	9.0	130	13.0
RO 300	Radiology	60	6.0	44	4.4	104	10.4
SEMESTER 7 and 8: 115.2 Credits							
PS 400	Psychiatry	90	9.0	180	18.0	270	27.0
MC 400	Community Medicine	90	9.0	135	13.5	225	22.5
ME 400	MDElective Research	12	1.2	135	13.5	147	14.7
OL 400	Otorhinolaryngology	30	3.0	135	13.5	165	16.5
OP 400	Ophthalmology	30	3.0	135	13.5	165	16.5
MA 400	Anaesthesiology	45	4.5	135	13.5	180	18.0
SEMESTER 9 and 10: 115.2 Credits							
IM 500	Internal Medicine	72	7.2	180	18.0	252	25.2
MH 500	Paediatrics & Child Health	45	4.5	180	18.0	225	22.5
MS 500	Surgery	45	4.5	180	18.0	225	22.5
MG 500	Obstetrics and Gynaecology	45	4.5	180	18.0	225	22.5
OT 500	Orthopedics/Trauma & Neurosurgery	45	4.5	180	18.0	225	22.5



Medical Students and Teachers in the Operating Theatre

2.2.1.2 Examination Regulations for the MD Programme

(i) General University Examination regulations on registration, professional conduct, registration for examination, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter One.

(ii) The MD degree is a ten-semester programme and the maximum tenure shall be 14 semesters.

(iii) Registration of full time students shall be once at the beginning of each semester.

(iv) There shall be at least two continuous assessment tests (CAT) and regular assessment of competencies for each module/modular course taught during each semester. The field reports shall also be marked and graded as CAT. The CAT and the regular assessment of competencies shall constitute the Formative Assessment (FA) and the final end of module/modular course or rotation examination the Summative Assessment (SA).

(v) The FA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.

(vi) The FA and SA shall consist of written (essays/short answer questions, MCQs, quizzes, field reports, assignments, presentations and others) and practical/clinical components (global observation and rating of live/recorded performances, procedures and logbooks, OSPE, OSCE and others) using appropriate assessment tools. The proportional contribution

for written and practical examinations will be 60 and 40%, respectively in Basic Sciences and 40% and 60% in Clinical Sciences.

(vii) A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.

(viii) A candidate who passes the examination with a C grade or higher will be declared to have passed the examination. A candidate who scores a GPA of 1.6 or higher, but fails in two course(s) or less shall be required to supplement in the failed modules in the course(s) during the long vacation.

(ix) A candidate who obtains a GPA of less than 1.6 shall be discontinued from studies.

(x) A candidate who fails three or more courses in any semester or in an audit year during semesters one (1) to four (4) shall be discontinued from studies regardless of GPA. To pass a course a candidate has to pass all modules in that course.

(xi) A candidate who fails in a first supplementary examination in basic sciences shall be allowed to carry-over the failed module(s) to the next academic audit year and appear for a second supplementary examination in the failed module(s) of the respective course(s) when next offered provided the GPA is 1.8 or higher. A candidate who fails the second supplementary in basic sciences or the junior rotation shall be discontinued from studies.

(xii) No candidate shall be allowed to progress to the clinical year rotations unless and until he/she has passed all course modules in semesters 1 to 4 of the programme.

(xiii) A candidate who obtains a GPA of 1.8 or higher in the first supplementary examination in semester 3 and 4 shall be allowed to freeze registration and appear for another supplementary examination when next offered and the maximum freezing period shall be 2 semesters. A student who fails to clear the failed modules/courses within the two semesters shall be discontinued.

(xiv) A candidate shall not be considered to have passed any clinical course unless and until he/she has passed the clinical components of the examination, whereby 40% is from FA and 60% from the final examination and contribution by written and clinical examinations as per regulation (vi) above.

(xv) A candidate who fails junior (semester 5 & 6) or intermediary (semester 7 & 8) clerkship clinical rotation examinations shall be required to do a supplementary rotation when next offered, and pass before progressing to the next year of study. A candidate who fails senior clerkship clinical rotation (semester 9 & 10) shall be required to do a supplementary rotation after semester 10. For clinical rotations whose duration is six or more weeks the supplementary rotation is half the duration of that rotation. For rotations, which have less than 6 weeks duration, the period of supplementary rotation will be the full duration. An intermediary or senior clerkship candidate who fails a second supplementary examination shall be allowed to do a supplementary examination when next offered and after semester 10 respectively; provided that the maximum tenure of 14 semesters shall not be exceeded.

(xvi) A candidate with incomplete course work in any semester will not be allowed to sit for end of module or rotation examination.
(xvii) A candidate who passes a supplementary examination at any level shall be awarded a "C" grade equivalent to 2.0 grade points.
(xviii) Progression to semester 9 and 10 is subject to completion of clinical rotations, submission of a satisfactory elective research report, completing rotations and passing University examinations for semester 7 and 8.
(xix) A satisfactory elective research report from semester 7 and 8 must be submitted at least 8 weeks prior to the final semester 10 rotation examination, failure of which will deem the candidate ineligible sit for the final examination.
(xx) No student will be allowed to graduate if he/she has not completed all fieldwork assignments and submitted relevant reports.
(xxi) A student shall be awarded the MD degree after passing all prescribed courses in the MD programme.

2.2.1.3 Grading System

Computation of the GPA for the MD programme shall be based on the number of credits approved for each course and shall be equated to the letter grade as shown below. However, the MD degree shall not be classified: -

Marks %	Letter grade	Grade points
75-100	A	4.4-5.0
70-74	B+	3.5-4.3
60-69	B	2.7-3.4
50-59	C	2.0-2.6
45-49	D	1.5-1.9
0-44	E	0-1.4

2.2.2 Bachelor of Medical Laboratory Sciences (BMLS) Degree Programmes

The Bachelor of Medical Laboratory Sciences Programmes consists of a training that lasts for six semesters. The first two semesters are generic for all BMLS degree programmes and are devoted to lectures and practical in basic sciences. In the third and fourth semesters students will attend lectures and undertake practical in various laboratory science disciplines. In the fifth and sixth semesters students will receive practical training as well as research experience in the area they are majoring and will be required to write up a project on a topic relevant to that laboratory discipline. Students can also opt to register for BMLS General Programme whose objective is to produce a general Medical Laboratory scientist without majoring.

2.2.2.1 BMLS Microbiology and Immunology Degree Programme courses

Code	Course Name	Lectures		Practical/Seminars		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6 Credits							
AN104	Anatomy	80	8.0	50	5.0	130	13.0
PH104	Physiology	115	11.5	74	7.4	189	18.9
BC104	Biochemistry	60	6.0	40	4.0	100	10.0
PF 104	Professionalism and Ethics	56	5.6	16	1.6	72	7.2
ER 100	Epidemiology and Research Methods (Epidemiology) Module I	45	4.5	40	4.0	85	8.5
SEMESTER 2: 57.6 Credits							
LM 100	Medical Laboratory Practice	38	3.8	76	7.6	114	11.4
ER 100	Epidemiology and Research Methods (Biostatistics) Module II	35	3.5	35	3.5	70	7.0
DS100	Theory of Social Development & Critical Issues in Health	55	5.5	15	1.5	70	7.0
MB 100	Cell and Molecular Biology	60	6.0	45	4.5	105	10.5
IT 100	Information and Learning Technologies	57	5.7	75	7.5	132	13.2
EO 104	Environmental and Occupational Health	45	4.5	40	4.0	85	8.5
SEMESTER 3: 57.6 Credits							
PE 200	Parasitology/ Entomology	60	6.0	50	5.0	110	11.0
MI 200	Microbiology and Immunology	110	11.0	80	8.0	190	19.0
MP201	Principles of Pathology and Haematopathology	60	6.0	100	10.0	160	16.0
	(Module 1)						

MP201	Principles of Pathology and Haematopathology (Module 2)	35	3.5	11	1.1	46	4.6
DS 200	Health Care Delivery System and Development Trends	55	5.5	15	1.5	70	7.0
SEMESTER 4: 57.6 Credits							
BM 200	Junior Bacteriology and Mycology Rotation	26	2.6	220	22.2	246	24.6
IV 200	Junior Immunology and Virology Rotation	16	1.6	118	11.8	134	13.4
LF 200	Field Work	-	0	196	19.6	196	19.6
SEMESTER 5: 57.6 Credits							
BM 300	Senior Bacteriology and Mycology Rotation	-	0	220	22.0	220	22.0
LP 399	Research Project-Proposal and Data Collection	-	0	298	29.8	298	29.8
FT 300	Forensic Science & Toxicology	34	3.4	24	2.4	58	5.8
SEMESTER 6: 57.6 Credits							
IV 300	Senior Immunology and Virology Rotation	-	0	220	22.0	220	22.0
LM 302	Laboratory Management	42	4.2	-	0.0	42	4.2
LP 399	Research Project-Analysis, Write up and Presentation	-	0	314	31.4	314	31.4

2.2.2.2 BMLS Hematology and Blood Transfusion Degree Programme courses

Code	Course Name	Lectures		Practicals/ Seminars		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
SEMESTER 1: 57.6 Credits							
AN104	Anatomy	80	8.0	50	5.0	130	13.0
PH104	Physiology	115	11.5	74	7.4	189	18.9
BC104	Biochemistry	60	6.0	40	4.0	100	10.0
PF 104	Professionalism and Ethics	56	5.6	16	1.6	72	7.2
GL 100	Good Clinical and Laboratory Practice	40	4.0	45	4.5	85	8.5
SEMESTER 2: 57.6 Credits							
LM 100	Introduction to Medical Laboratory Practice	38	3.8	76	7.6	114	11.4
ER 100	Epidemiology and Research Methods (Biostatistics)	35	3.5	35	3.5	70	7.0
DS100	Theory of Social Development & Critical Issues in Health	55	5.5	15	1.5	70	7.0
MB 100	Cell and Molecular Biology	60	6.0	45	4.5	105	10.5
IT 100	Information a and Learning Technologies	57	5.7	75	7.5	132	13.2
EO 104	Environmental and Occupational Health	45	4.5	40	4.0	85	8.5
SEMESTER 3: 57.6 Credits							
PE 200	Parasitology/ Entomology	60	6.0	50	5.0	110	11.0
MI 200	Microbiology and Immunology	110	11.0	80	8.0	190	19.0
MP201	Principles of Pathology (Module 1)	60	6.0	100	10.0	160	16.0
MP201	Haematology and Blood Transfusion (Module 2)	35	3.5	11	1.1	46	4.6
DS 200	Health Care Delivery System and Development Trends	55	5.5	15	1.5	70	7.0

SEMESTER 4: 57.6 Credits							
HM 200	Junior Haematology Rotation	30	3.0	258	25.8	288	28.8
BT 200	Junior Blood Transfusion Rotation	30	3.0	258	25.8	288	28.8
SEMESTER 5: 57.6 Credits							
HM 300	Senior Haematology Rotation	20	2.0	200	20.0	220	22.2
RP 399	Research Project: Proposal Development and Data Collection	0	0.0	296	29.6	298	**29.6**
FT 300	Forensic Science & Toxicology	34	3.4	24	2.4	58	5.8
SEMESTER 6: 57.6 Credits							
BT 300	Senior Blood Transfusion Rotation	20	2	200	20.0	220	22.0
RP 399	Research Project: Analysis, Write up, Submission and Defense	0	0.0	314	31.4	314	31.4
LM 302	Laboratory Management	42	4.2	0	0.0	42	4.2

2.2.2.3 BMLS Parasitology and Medical Entomology Degree Programme courses

Code	Course Name	Lectures		Practicals/Seminars		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6Credits							
AN104	Anatomy	80	8.0	50	5.0	130	13.0
PH104	Physiology	115	11.5	74	7.4	189	18.9
BC104	Biochemistry	60	6.0	40	4.0	100	10.0
PF 104	Professionalism and Ethics	56	5.6	16	1.6	72	7.2
GL 100	Good Clinical and Laboratory Practice	40	4.0	45	4.5	85	8.5

SEMESTER 2: 57.6 Credits							
LM 100	Introduction to	38	3.8	76	7.6	114	11.4
	Medical Laboratory Practice						
ER 100	Epidemiology and Research Methods (Biostatistics)	35	3.5	35	3.5	70	7.0
DS100	Theory of Social Development & Critical Issues in Health	55	5.5	15	1.5	70	7.0
MB 100	Cell and Molecular Biology	60	6.0	45	4.5	105	10.5
IT 100	Information a and Learning Technologies	57	5.7	75	7.5	132	13.2
EO 104	Environmental and Occupational Health	45	4.5	40	4.0	85	8.5
SEMESTER 3: 57.6 Credits							
PE 200	Parasitology/ Entomology	60	6.0	50	5.0	110	11.0
MI 200	Microbiology and Immunology	110	11.0	80	8.0	190	19.0
MP201	Principles of Pathology (Module 1)	60	6.0	100	10.0	160	16.0
MP201	Haematology and Blood Transfusion (Module 2)	35	3.5	11	1.1	46	4.6
DS 200	Health care delivery system and development trends	55	5.5	15	1.5	70	7.0

SEMESTER 4: 57.6 Credits							
JR 200	Junior Laboratory (Diagnostic	112	11.2	336	33.6	448	44.8
	Parasitology) Rotation						
LF 200	Field Work	0	0.0	128	12.8	128	12.8
SEMESTER 5: 57.6 Credits							
LM300	Senior Laboratory Rotation	0	0.0	220	22.0	220	22.0
LP 399	Research Project: Proposal development and data collection	0	0.0	298	29.8	298	29.8
FT 300	Forensic science & toxicology	34	3.4	24	2.4	58	5.8
SEMESTER 6: 57.6 Credits							
LM 301	Senior Laboratory Rotation and Advanced Diagnosti Methods	0	0.0	220	22.0	220	22.0
LM 302	Laboratory Management	42	4.2	0	0.0	42	4.2
LP 399	Research Project: Analysis, Write up, Submission and Defense	0	0.0	314	31.4	314	31.4

2.2.2.4 BMLS Clinical Chemistry Degree Programme courses

Code	**Course Name**	**Lectures**		**Practicals/ Seminars**		**Total**	
		Hours	**Credits**	**Hours**	**Credits**	**Hours**	**Credits**
SEMESTER 1: 57.6Credits							
AN104	Anatomy	80	8.0	50	5.0	130	13.0
PH104	Physiology	115	11.5	74	7.4	189	18.9
BC104	Biochemistry	60	6.0	40	4.0	100	10.0

PF 104	Professionalism and Ethics	56	5.6	16	1.6	72	7.2
GL 100	Good Clinical and Laboratory Practice	40	4.0	45	4.5	85	8.5
SEMESTER 2: 57.6 Credits							
LM 100	Introduction to Medical Laboratory Practice	38	3.8	76	7.6	114	11.4
ER 100	Epidemiology and Research Methods (Biostatistics)	35	3.5	35	3.5	70	7.0
DS100	Theory of Social Development & Critical Issues in Health	55	5.5	15	1.5	70	7.0
MB 100	Cell and Molecular Biology	60	6.0	45	4.5	105	10.5
IT 100	Information and Learning Technologies	57	5.7	75	7.5	132	13.2
EO 104	Environmental and Occupational Health	45	4.5	40	4.0	85	8.5
SEMESTER 57.6 Credits							
PE 200	Parasitology/Entomology	60	6.0	50	5.0	110	11.0
MI 200	Microbiology and Immunology	110	11.0	80	8.0	190	19.0

MP201	Principles of Pathology (Module 1)	60	6.0	100	10.0	160	16.0
MP201	Haematology and Blood Transfusion (Module 2)	35	3.5	11	1.1	46	4.6
DS 200	Health Care Delivery System and Developme nt Trends	55	5.5	15	1.5	70	7.0
SEMESTER 4:57.6 Credits							
CC 200	Fundamentals of Clinical Chemistry	46	4.6	104	10.4	150	15.0
JL 200	Junior laboratory rotation	0	0.0	230	23.0	230	23.0
LF 200	Field Work	0	0.0	196	19.6	196	19.6
SEMESTER 5: 57.6 Credits							
LM300:	Senior Laboratory Rotation	0	0.0	220	22.0	220	22.0
LP 399	Research Project-Proposal and Data Collection	0	0.0	298	29.8	298	29.8
FT 300	Forensic Science & toxicology	34	3.4	24	2.4	58	5.8

SEMESTER 6: 57.6 Credits							
IV 301	Senior Laboratory Rotation (Advanced Laboratory diagnostic and Research Methods)	0	0.0	220	22.0	220	22.0
LM 302	Laboratory Management	42	4.2	0	0.0	42	4.2
LP 399	Research Project-Analysis, Write up and Presentation	0	0.0	314	31.4	314	31.4

2.2.2.5 BMLS Histotechnology Degree Programme courses

Code	Course Name	Lectures		Practicals/seminars		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6 Credits							
AN104	Anatomy	80	8.0	50	5.0	130	13.0
PH104	Physiology	115	11.5	74	7.4	189	18.9
BC104	Biochemistry	60	6.0	40	4.0	100	10.0
PF 104	Professionalism and Ethics	56	5.6	16	1.6	72	7.2
GL 100	Good Clinical and Laboratory Practice	40	4.0	45	4.5	85	8.5
SEMESTER 2: 57.6 Credits							
LM 100	Introduction to Medical Laboratory Practice	38	3.8	76	7.6	114	11.4
ER 100	Epidemiology and Research Methods (Biostatistics)	35	3.5	35	3.5	70	7.0
DS100	Theory of Social Development &Critical Issues in Health	55	5.5	15	1.5	70	7.0
MB 100	Cell and Molecular Biology	60	6.0	45	4.5	105	10.5
IT 100	Information a and Learning Technologies	57	5.7	75	7.5	132	13.2

EO 104	Environmental and Occupational Health	45	4.5	40	4.0	85	8.5
SEMESTER 3:57.6 Credits							
PE 200	Parasitology/Entomology	60	6.0	50	5.0	110	11.0
MI 200	Microbiology and Immunology	110	11.0	80	8.0	190	19.0
MP201	Principles of Pathology (Module 1)	60	6.0	100	10.0	160	16.0
MP201	Haematology and Blood Transfusion (Module 2)	35	3.5	11	1.1	46	4.6
DS 200	Health Care Delivery System and Development Trends	55	5.5	15	1.5	70	7.0
SEMESTER 4: 57.6 Credits							
HT 200	Histotechnology	150	15.0	220	22.0	370	37.0
CT 200	Cytotechnology	77	7.7	129	12.9	206	20.6
SEMESTER 5: 57.6 Credits							
HT300	Laboratory practice	0	0.0	220	22.0	220	22.0
RP300	Research Project: Proposal Development and Data Collection	0	0.0	298	29.8	298	29.8
FT 300	Forensic Science & Toxicology	34	3.4	24	2.4	58	5.8
SEMESTER 6: 57.6Credits							
LM300	Laboratory management	42	4.2	0	0.0	42	4.2
HT301	Laboratory practice	12	1.2	192	19.2	204	20.4
RP 300	Research Project: Write-up, Submission and Defense	0	0.0	330	33.0	330	33.0

2.2.2.6 BMLS General Degree Programme courses (New Programme)

Code	Course Name	Lectures		Practical/Seminars		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
SEMESTER 1: 57.6 Credits							
AN104	Anatomy	80	8.0	50	5.0	130	13.0
PH104	Physiology	115	11.5	74	7.4	189	18.9
BC104	Biochemistry	60	6.0	40	4.0	100	10.0
PF 104	Professionalism and Ethics	56	5.6	16	1.6	72	7.2
GL 100	Good Clinical and Laboratory Practice	40	4.0	45	4.5	85	8.5
SEMESTER 2: 57.6 Credits							
LM 100	Introduction to Medical Laboratory Practice	38	3.8	76	7.6	114	11.4
ER 100	Epidemiology and Research Methods (Biostatistics)	35	3.5	35	3.5	70	7.0
DS100	Theory of Social Development & Critical Issues in Health	55	5.5	15	1.5	70	7.0
MB 100	Cell and Molecular Biology	60	6.0	45	4.5	105	10.5
IT 100	Information a and Learning Technologies	57	5.7	75	7.5	132	13.2
EO 104	Environmental and Occupational Health	45	4.5	40	4.0	85	8.5
SEMESTER 3:57.6 Credits							
PE 200	Parasitology/Entomology	60	6.0	50	5.0	110	11.0
MI 200	Microbiology and Immunology	110	11.0	80	8,0	192	19.0
MP201	Principles of Pathology (Module 1)	60	6.0	100	10.0	160	16.0
MP201	Haematology and Blood Transfusion (Module 2)	35	3.5	11	1.1	46	4.6
DS 200	Health Care Delivery System and Development Trends	55	5.5	15	1.5	70	7.0

SEMESTER 4: 57.6 Credits							
HT 200	Histotechnology and Cytology	42	4.2	64	6.4	106	10.6
HM200	Haematology and Blood Transfusion	54	5.4	60	6.0	114	11.4
CC 200	Clinical Chemistry	46	4.6	58	5.8	104	10.4
JL 200	Junior Laboratory Rotation	0	0.0	252	25.2	256	25.2
SEMESTER 5: 57.6 Credits							
LM 300	Senior Laboratory Rotation	0	0.0	220	22.0	220	22.0
LP 399	Research Project: Proposal Development and Data Collection/Bench Work	0	0.0	298	29.8	298	29.8
FT 300	Forensic science & toxicology	34	3.4	24	2.4	58	5.8
SEMESTER 6: 57.6 Credits							
LM 301	Senior Laboratory Rotation and Advanced Laboratory Diagnostic Methods	0	0.0	220	22.0	220	22.0
LM 302	Laboratory Management	42	4.2	0	0.0	42	4.2
LP 399	Research Project – Data Analysis, Write up and Submission	0	0.0	314	31.4	314	31.4

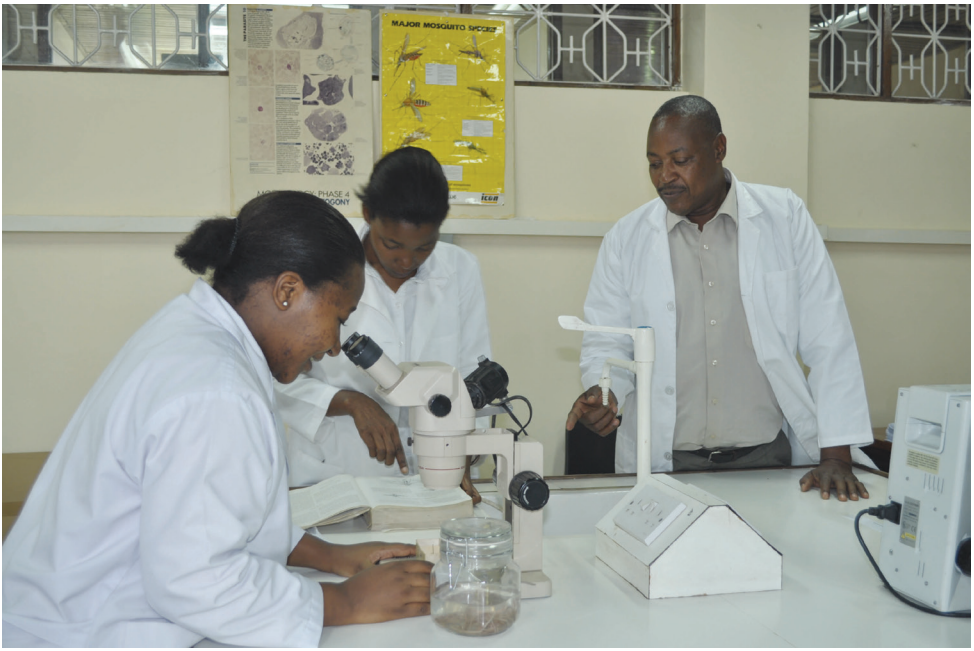
2.2.3 Bachelor of Science Radiation Therapy Technology (BSc RTT) Degree Programme

The BSc RTT programme aims at training students in radiation therapy and technology. In the first two semesters students will attend lectures and practical in basic science courses. In the third and fourth semesters students will attend relevant lectures, seminars, practical and rotate in different clinical departments to acquire experience in specific techniques. In the fifth and sixth semesters students will study discipline specific courses and practical training and finalize their research.

2.2.3.1 BSc (RTT) Degree Programme courses

Code	Course Name	Lectures		Practical/Seminars		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6 Credits							
BC 105	Principles of Biochemistry	60	6.0	40	4.0	100	10.0
PB 105	Basic Radiation Physics	36	3.6	85	8.5	121	12.1
PH 105	Basic Physiology	115	11.5	74	7.4	189	18.9
AN105	Anatomy	80	8.0	50	5.0	130	13.0
PF 105	Professionalism and Ethics	28	2.8	8	0.8	36	3.6
SEMESTER 2: 57.6 Credits							
IT 100	Information and Learning Technologies	57	5.7	75	7.5	132	13.2
DS 100	Development Studies 100	55	5.5	15	1.5	70	7.0
AP 105	Applied Radiation Physics	60	6.0	34	3.4	94	9.4
NC 105	Communication Skills	45	4.5	45	4.5	90	9.0
BM 105	Molecular and Cell Biology	60	6.0	45	4.5	105	10.5
EO 105	Environmental and Occupational Health	45	4.5	40	4.0	85	8.5
SEMESTER 3: 57.6 Credits							
ER 100	Epidemiology and Biostatistics (Epidemiology)	35	3.5	35	3.5	70	7.0
RB 205	Radiobiology	55	5.5	60	6.0	115	11.5
MP 200	Pathology	58	5.8	102	10.2	160	16.0
DS 200	Development	55	5.5	15	1.5	70	7.0

Code	Course Name	Lectures		Practical/Seminars		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
	Studies						
RT 205.01	Clinical Apprenticeship One	0	0.0	161	16.1	161	16.1
SEMESTER 4: 57.6 Credits							
ER 200	Epidemiology and Biostatistics	35	3.5	35	3.5	70	7.0
CE205	Cancer Epidemiology and Prevention	75	7.5	60	6.0	135	13.5
RE 205	Radiotherapy Equipment	30	3.0	135	13.5	165	16.5
RT 205.02	Clinical Apprenticeship Two	0	0.0	206	20.6	206	20.6
SEMESTER 5: 57.6 Credits							
RP 305	Radiotherapy Planning Process	18	1.8	171	17.1	189	18.9
RR 305.01	Research Proposal Preparation and Data Collection	0	0.0	298	29.8	298	29.8
RT 305.01	Clinical Apprenticeship Three	0	0.0	89	8.9	89	8.9
SEMESTER 6: 57.6 Credits							
RD 305	Radiotherapy Delivery Process	60	6.0	225	22.5	285	28.5
RR 305	Research Project: Data analysis, Write up and Defense	0	0.0	145	14.5	145	14.5
RT 305.02	Clinical Apprenticeship Four	0	0.0	146	14.6	146	14.6



MUHAS Student at Laboratory practical session

2.2.3.2 Examination regulations for the all BMLS and BSc (RTT) programmes

(i) General University Examination regulations on registration, professional conduct, registration for examination, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter One.

(ii) The BMLS and BSc RTT are six (6) semester Programmes and the maximum tenure for each shall be eight (8) semesters.

(iii) Registration of full time student shall be once at the beginning of each semester.

(iv) There shall be at least two continuous assessment tests (CAT) and regular assessment of competencies for each module/modular course taught during each semester. The field reports shall also be marked and graded as CAT. The CAT and the regular assessment of competencies shall constitute the Formative Assessment (FA) and the final end of module/modular course or rotation examination the Summative Assessment (SA).

(v) The FA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.

(vi) The FA and SA shall consist of written (essay paper, MCQs, quizzes, field reports, assignments, presentations and others) and practical/clinical components (global observation and rating of live/recorded performances, observation of procedures and rating, logbooks, OSPE, and others). The

proportional contribution for written and practical examinations will be 60 and 40% respectively, for Basic Sciences and 40% and 60% in Practical Sciences.

(vii) A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.

(viii) A candidate who passes the examination with a C grade or higher will be declared to have passed the examination. A candidate who scores a GPA of 1.6 or higher, but fails in two course(s) or less shall be required to sit for first supplementary in the failed modules in the course(s) during the long vacation.

(ix) A candidate who obtains a GPA of less than 1.6 shall be discontinued from studies.

(x) A candidate who fails three or more courses in any semester or in the audit year during semesters one (1) to two (2), shall be discontinued from studies regardless of GPA. To pass a course a candidate has to pass all modules in that course.

(xi) A candidate who fails in a first supplementary examination shall be allowed to carry-over the failed module(s) to the next academic audit year and appear for a second supplementary examination in the failed module(s) of the respective course(s) when next offered provided the GPA is 1.8 or higher.

(xii) A candidate who fails the second supplementary examination in semesters one (1) to

(xiii)

(xiv) four (4) shall be discontinued from studies, except in special circumstances, if recommended by the School of Medicine Board and Senate Undergraduate Committee and approved by the University Senate. A candidate who fails the second supplementary examination in semesters 5 and 6 shall be allowed to supplement the failed courses at the end of Semester 6 provided the maximum tenure of eight semesters is not exceeded.

(xv) No candidate shall be allowed to proceed to semesters 5 and 6, before clearing all the modules in the semesters 1 to 4 courses.

(xvi) A candidate who obtains a GPA of 1.8 or higher in the first supplementary examination in semesters 3 and 4 shall be allowed **to freeze registration** and appear for supplementary examination when next offered. The maximum freezing period shall be 2 semesters. A student who fails to clear the failed modules/courses within the two semesters shall be discontinued from studies.

(xvii) A candidate shall not be considered to have passed any module/modular course or course unless and until he/she has passed the practical components of the examination, whereby 50% is from FA and 50% from the final assessment.

(xviii) A candidate who passes a supplementary examination at any level shall be awarded a “C” grade equivalent to 2.0 grade points.

(xix) A student shall be awarded the BMLS or BSc RTT degree after passing all prescribed courses in the programme.
(xx) BMLS and BSc RTT degrees are classified

2.2.3.3 Grading and Classification of BMLS and BscRTT Degree Programmes

The weighting of modules contributing to the degree classification shall be based on the number of Credits for each module from semester 1 to semester 6 as shown below: -

Marks %	Letter grade	GPA	Classification
75-100	A	4.4-5.0	First Class
70-74	B+	3.5-4.3	Upper Second
60-69	B	2.7-3.4	Lower Second
50-59	C	2.0-2.6	Pass



MUHAS students in a practical session

CHAPTER THREE: SCHOOL OF DENTISTRY

3.1 INTRODUCTION

The School of Dentistry is the only dental school in Tanzania. The vision of the School is "*to become a reputable world-class School of Dentistry that is responsive to national, regional and global development needs through engaging in dynamic knowledge creation and application in the field of dentistry*". The mission of our school is to *"lead and facilitate our customers in attaining and maintaining quality of life through quality oral health education, research and public service*". We offer undergraduate and postgraduate studies in the field of restorative dentistry, oral and maxillofacial surgery, oral pathology, preventive and community dentistry, orthodontics and pediatric dentistry. The training facilities include standard lecture rooms, simulation skills laboratory, modern clinics with state of the art dental chairs, and digital dental x-ray machines, instruments for different dental specialties and instruments' sterilization machines. After completion of the ten semester undergraduate and six semester postgraduate programmes, graduates will have employment opportunities to manage oral health problems as well as taking part in research and training other professionals in the field of oral and health.

3.2 UNDERGRADUATE PROGRAMME

3.2.1 Doctor of Dental Surgery (DDS) Degree Programme

The DDS is competency-based programme covering ten semesters (five years) leading to the DDS degree of this University followed by a year's internship at an approved hospital. The first four semesters of the programme are devoted to basic sciences and community training. The next six semesters are largely clinical/ practical consisting of intensive clinical clerkship in different departments and community health.

3.2.1.1 DDS Degree Programme courses

Code	Course Name	Lecture/Seminar		Practical/clinical		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: (57.6Credits)							
AN 101	Anatomy	80	8.0	50	5.0	130	13.3
BC101	Biochemistry	60	6.0	40	4.0	100	10.0
PH101	Basic Physiology	115	11.5	74	7.4	189	18.9
BS 110	Behavioural sciences	100	10.0	0	0.0	100	10.0
PF 110.01	Professionalism and Ethics	28	2.8	8	0.8	36	3.3
IT 100	Information Technology	21	2.1	0	0.0	21	2.1
SEMESTER 2: (57.6 Credits)							
AN101	Anatomy	101	10.1	174	17.4	275	27.5
BC 101	Biochemistry	60	6.0	45	4.5	105	10.5
DS 100	Development studies	55	5.5	15	1.0	70	7.0
PF 110.02	Professionalism and Ethics	25	2.5	11	1.1	36	3.6
NC100	Basic Communication Skills	45	4.5	45	4.5	90	9.0

SEMESTER 3: (57.6 Credits)							
MP201	Pathology	81	8.1	37	3.7	118	11.8
MI 201	Microbiology and Immunology	113	11.3	75	7.5	188	18.8
PE 200	Parasitology and Entomology	58	5.8	52	5.2	110	11.0
ER200	Epidemiology/Research Methods	45	3.0	45	4.5	90	9.0
DS 200	Development studies	55	5.5	15	1.5	70	7.0
SEMESTER 4: (57.6 Credits)							
MP201	Pathology	112	11.2	116	11.6	228	22.8
ER 200	Epidemiology & Research Methods	35	3.5	35	3.5	70	7.0
CP 200	Clinical Pharmacology	106	10.6	96	9.6	202	20.2
EF 200	Nutritional Field Project	12	1.2	64	6.4	76	7.6
SEMESTER 5: (57.6 Credits)							
IM 301	Internal Medicine	100	10.0	170	17.0	270	27.0
MS301	Surgery	65	6.5	205	20.5	270	27.0
PF 300	Professionalism and Ethics	24	2.4	12	1.2	36	3.6
SEMESTER 6: (57.6 Credits)							
OS 300	Introduction to Oral and Maxillofacial Surgery	68	6.8	220	22.0	288	28.8
DE 300	Pre-clinical dentistry	130	13.0	158	15.8	288	28.8
SEMESTER 7: (57.6 Credits)							
OS 400	Oral and maxillofacial surgery	60	6.0	228	22.8	288	28.8
PR 400	Periodontology	15	1.5	81	8.1	96	9.6
OD400	Operative Dentistry	30	3.0	162	16.2	192	19.2
SEMESTER 8: (57.6 Credits)							
DC 400	Paediatric Dentistry	20	2.0	131	13.1	151	15.1
CD 400	Preventive and Community Dentistry	34	3.4	113	11.3	147	14.7
OR400	Orthodontics	26	2.6	69	6.9	95	9.5
PO 400	Prosthodontics	30	3.0	153	15.3	183	18.3

SEMESTER 9: (57.6 Credits)							
PO 500	Prosthodontics	22	2.2	131	13.1	153	15.3
OR500\	Orthodontics	26	2.6	109	10.9	135	13.5
OS 500	Oral and maxillofacial surgery	53	5.3	153	15.3	206	20.6
DC500	Paediatric dentistry	12	1.2	70	7.0	82	8.2
SEMESTER 10: (57.6 Credits)							
PR 500	Periodontology	31	3.1	94	9.4	125	12.5
CD 500	Preventive and Community dentistry	34	3.4	129	12.9	163	16.3
OD500	Operative dentistry	48	4.8	240	24.0	288	28.8



Dental services to patient at MUHAS Dental Clinic

3.2.2 Examination regulations for the DDS Programme

(i) General University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.

(ii) The DDS degree is a ten-semester programme and the maximum tenure shall be 14 semesters.

(iii) Registration of full time students shall be once at the beginning of each semester.

(iv) There shall be at least two continuous assessment tests (CAT) and regular assessment of competencies for each module/modular course or rotation taught during each semester. The field reports shall also be marked and graded as CAT. The CAT and the regular assessment of competencies shall constitute the Formative Assessment (FA) and the final end of module/modular course or rotation examination the Summative Assessment (SA).

(v) The FA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.

(vi) The FA and SA shall consist of written and practical/clinical components (MCQ's. Essays, Short answer questions, observation and rating of live/recorded performances by faculty, Multisource /global rating, Observation of procedures and rating, peer assessment, portfolio and logbooks, OSPE, OSCE and others using appropriate assessment tools). The proportional contribution for written and practical examinations will be 60 and 40% respectively for Basic Sciences and 40% and 60% in Clinical Sciences.

(vii) A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.

(viii) A candidate who passes the examination with a C grade or higher will be declared to have passed the examination.

(ix) A candidate who scores a GPA of 1.6 or higher, but fails in courses/ modules shall be required to supplement in the failed modules in the course(s), during the long vacation.

(x) A candidate who obtains a GPA of less than 1.6 in a semester shall be discontinued from studies.

(xi) A candidate who fails three or more courses in any semester or in an audit year during semesters one (1) to four (4) shall be discontinued from studies regardless of GPA. To pass a course a candidate has to pass all modules in that course.

(xii) A candidate who fails in the first supplementary examination in basic sciences shall be allowed to carry-over the failed module(s) to the next academic audit year and appear for a second supplementary examination in the failed module(s) of the respective course(s) when next offered provided the GPA is 1.8 or higher. A candidate who fails the second supplementary shall be discontinued from studies.

(xiii) No candidate shall be allowed to proceed to the clinical year rotations unless and until he/she has passed all semesters 1 to 4 of the programme.

(xiv) A candidate who obtains a GPA of 1.8 or higher in the first supplementary examination in semester 3 and 4 shall be allowed to freeze registration and appear for a second supplementary examination when next offered and the

maximum freezing period shall be 2 semesters. A student who fails to clear the failed modules/courses within the two semesters shall be discontinued.

(xv) A candidate shall not be considered to have passed any clinical course unless and until he/she has passed the clinical components of the examination, whereby 40% is from FA and 60% from the final examination.

(xvi) A candidate who fails junior clerkship clinical rotation in semester five and six shall be required to do a supplementary rotation during the long vacation after semester six. A candidate who fails senior clerkship clinical rotation in semester seven and eight shall be required to supplement the failed rotation at the begining of the following academic year. A candidate who fails clinical rotation in semester nine and ten shall be required to supplement the failed rotation after semester ten. The supplementary rotation is half the duration of that rotation except for rotations, which have less than 6 weeks duration for which the period of supplementary rotation will be the full duration. A student who fails a second supplementary in senior clerkship of semester 7-10 clinical rotations shall be allowed to sit for another supplementary after Semester 10, provided that maximum tenure of 14 semesters shall not be exceeded.

(xvii) A candidate with incomplete course work or rotation in any semester will not be allowed to sit for end of module or rotation examination.

(xviii) A candidate who passes a supplementary examination at any level shall be awarded a "C" grade equivalent to 2.0 grade points.

(xix) Progression to semester 9, 10 is subject to completion of clinical rotations and elective period and passing University examinations for semester 7, 8.

(xx) A satisfactory elective report from semester 7-8 must be submitted at least 8 weeks prior to the final semester 10 rotation examination, failure of which will deem the candidate ineligible for the final examination.

(xxi) No student will be allowed to graduate if he/she has not completed all fieldwork assignments and submitted relevant reports.

(xxii) A student shall be awarded the DDS degree after passing all prescribed courses in the DDS programme.

3.2.3 Grading System

Computation of the GPA for the DDS programme shall be based on the number of credits approved for each course and shall be equated to the letter grade as shown below. However, the DDS degree shall not be classified:

Marks %	Letter grade	Grade points
75-100	A	4.4-5.0
70-74	B+	3.5-4.3
60-69	B	2.7-3.4
50-59	C	2.0-2.6
45-49	D	1.5-1.9
0-44	E	0-1.4

3.2.4 Regulation of Fieldwork Project Report

(i) The students will do community field work on nutrition at the end of semester 4 as a group.

(ii) There will be community field works in community dentistry during semesters 8 and 10 as part of training in Preventive and Community Dentistry. This will be divided in two parts; the oral health promotion and preventive activities in primary schools and reproductive health clinics (in group) and another part will be a "regional-dental week" for each individual. Students will be required to produce both individual reports for regional level and group reports for the rest of the field works.

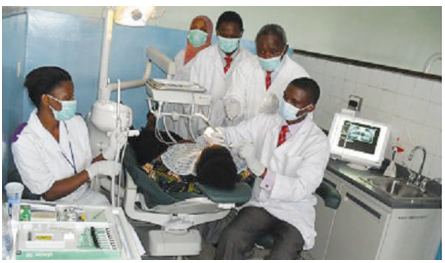
(iii) There shall be an elective study for every student at the end of semester 8 as part of Preventive and Community Dentistry rotation. Each student will be assigned to a supervisor, will be required to choose a topic of his/her interest but approved by the supervisor and the department of Preventive and Community Dentistry, carry out research on the topic under the guidance of the supervisor throughout all stages of research conduct from proposal development toacquisition of ethical approval, data collection, data analysis, report writing and dissemination of findings.

(iv) The elective report will be marked and marks will contribute to the grade of the Preventive and Community Dentistry rotation.

(v) No student will be allowed to graduate if he/she has not completed all field works and providing reports.



A lecturer explaining how the Light Cure Machine works, to His Excellency President Jakaya Mrisho Kikwete.



Postgraduate and Undergraduate students in the DDS treatment room with heir lecturer and Nurse.



Autoclaving units in the sterilization room



A new Orthopantomogram (X-Ray) machine.

CHAPTER FOUR: SCHOOL OF PHARMACY

4.1 INTRODUCTION

The School of Pharmacy has about 41 years of experience of training pharmaceutical personnel, thus becoming the oldest higher learning institution in Tanzania that offers Bachelor Degree program. Pharmacy education embraces the search, development, formulation, analysis, storage and distribution of products for maintenance and restoration of good health as well as provision of information and guidance on proper use of medicines. The School has the vision of becoming center of excellence in providing high quality and relevant pharmacy education, research and consultancy services in pharmacy and related fields. The Bachelor of Pharmacy Programme of MUHAS therefore aims to equip the graduate pharmacists with adequate knowledge, skills and attitudes to enable them function as experts in pharmaceutical care and sciences.

The current curriculum has envisioned to put together an education programme that prepares graduates to develop the core competencies required to deliver pharmaceutical services in all branches of pharmacy practice including community pharmacy, hospital pharmacy and patient care, industrial pharmacy, drug development, drug legislation, drug regulation, drug procurement, drug storage, drug distribution, drug quality assurance, drug marketing and pharmaceutical policy formulation.

The School has skilled and well trained faculty capable of mentoring students to their bright future in pharmaceutical and other related fields. The school also boasts of a modern Research and Development (R&D) Laboratory acquired through the financial and technical assistance of the German-Tanzania Cooperation (giz) and Action Medeor. It is the only R&D Laboratory of its kind in East and Central Africa that equips students and faculty with state of the art skills in pharmaceutical manufacturing. Recently a grant from USAID afforded a major renovation of a state of the art analytical testing laboratory which was inaugurated in February 2015 to boost postgraduate research and testing services to various clients. Students will not regret to have chosen School of Pharmacy programs.



Practical session preparation

4.2 UNDERGRADUATE PROGRAMME

4.2.1 B. Pharm Degree Programme

This is an eight semesters, four-year competency-based programme leading to the B. Pharm Degree followed by one year of internship at an approved hospital pharmacy.

4.2.1.1 B. Pharm Degree Programme courses

Code	Course Name	Lectures		Practical/Seminars		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
Semester 1:57.6 credits							
AN103	Anatomy	80	8.0	47	4.7.	127	12.7
PH103	Physiology	100	10.0	67	6.7	167	16.7
BC103	Biochemistry	100	10.0	55	5.5	155	15.5
PF100	Professionalism and ethics	28	2.8	17	1.7	45	4.5
IT100	Information Communication Technology	16	1.6	66	6.6	82	8.2

Semester 2: 57.6 credits							
PC100	Basic Chemistry	116	11.6	115	11.5	231	23.1
PT100	Physical Pharmacy	80	8.0	90	9.0	170	17.0
DS100	Theory of Social Development & Critical Issues in Health	55	5.5	15	1.5	70	7.0
BC103	Biochemistry	60	6.0	45	4.5	105	10.5
Semester 3: 57.6 credits							
PE 200	Parasitology & Medical Entomology	70	7.0	80	8.0	150	15.0
PB200	Basic Pharmaceutical Microbiology	75	7.5	56	5.6	131	13.1
DS200	Health Care Delivery System & Development Trends	55	5.5	15	1.5	70	7.0
MP200	Principles of General Pathology	58	5.8	36	3.6	94	9.4
PL200	Basic Pharmacology	77	7.7	54	5.4	131	13.1
Semester 4:57.6 credits							
PC200	Applied chemistry & chemotherapeutic agents	114	11.4	80	8.0	194	19.4
PT200	Physical-chemical principles of Pharmaceutical formulations	65	6.5	50	5.0	115	11.5
PG200	Pharmaceutical Botany & Natural Products	72	7.2	31	3.1	103	10.3
PP200	Pharmaceutical Compounding*	54	5.4	110	11.0	164	16.4
Semester 5: 57.6 credits							
PL300	Applied Pharmacology	90	9.0	51	5.1	141	14.1
PG300	Natural Products of Medicinal Importance	90	9.0	155	15.5	245	24.5
PB300	Applied Pharmaceutical Microbiology	90	9.0	64	6.4	154	15.4
ME300	Medical ethics	24	2.4	12	1.2	36	3.6

Semester 6: 57.6 credits							
PC300	Pharmacodynamic agents & Pharmaceutical Quality Assurance	117	11.7	60	6.0	177	17.7
PT300	Biopharmaceutics and Drug delivery systems	68	6.8	30	3.0	98	9.8
PP300	Over-the-counter products and Communication Skills	83	8.3	62	6.2	146	14.6
EB300	Biostatistics	90	9.0	60	6.0	150	15.5
Semester 7: 57.6 credits							
PL400	Therapeutics	50	5.0	90	9.0	140	14.0
PG400	Applied Pharmacognosy	75	7.5	56	5.6	131	13.1
RP400	Research Project	5	0.5	300	30.0	305	30.5
Semester 8: 57.6 credits							
PP400	Pharmaceutical care, Pharmacy laws, Management and Medicines Supply	70	7.0	55	5.5	125	12.5
PT400	Clinical Kinetics and Good Manufacturing Practice	80	8.0	60	6.0	140	14.0
FW400	Field work	0	0.0	206	20.6	206	20.6
RP400	Research Project	0	0.0	105	10.5	105	10.5

4.2.2 Examination Regulations for the B. Pharm Degree Programme

(i) General University examination regulations on registration, regulation for examinations, professional conduct, eligibility for examinations, absence from examinations, board of examiners, conduct of examinations, examination irregularities, procedures for appeals and preservation of scripts, shall remain as stipulated in Chapter One.

(ii) The B. Pharm is an 8-semester degree programme and the maximum tenure is 12 semesters.

(iii) Registration of full time students shall be done once at the beginning of each semester.

(iv) For each course taught in the semester, there shall be at least two continuous assessment tests (CAT) and regular assessment of competencies in each module or modular course. The CAT and assessment of competencies shall constitute the Formative Assessment (FA). The end of module assessment shall constitute the SA.

(v) The FA assessment shall constitute 50% of the module or semester final grade. All assessments shall be conducted through the use of appropriate competency Assessment tools.

(vi) The FA and SA shall consist of written (MCQ, Short Essays, Long essays, quizzes, graded field reports, graded assignments, graded presentations and others), skills and attitude components (multi-source observation and rating of performances, Objective Structure Practical Examination (OSPE), logbooks, peer evaluation, self assessment). The proportional contribution for written and practical examinations will be in accordance with individual course/module requirements.

(vii) A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.

(viii) A candidate who obtains a C grade or higher in all modules/courses examined in a semester shall be declared to have passed the examination and will be allowed to proceed to the next semester.

(ix) A candidate who obtains a GPA of less than 1.6 at the end of the audit year shall be discontinued from studies.

(x) A candidate who fails three or more courses in any semester or in an audit year during semesters one (1) to four (4), shall be discontinued from studies regardless of GPA. To pass a course a candidate has to pass all modules in that course.

(xi) A candidate with a GPP of 1.6 or higher who fails in up to 2 courses/ modules at the end of audit year may sit for supplementary examinations.

(xii) Supplementary examinations for the failed modules shall be offered at the end of long vacation

(xiii) A candidate who fails the first supplementary shall be allowed to carry-over and proceed to the next semester and sit for a second supplementary in the failed modules, when next offeredprovided that he/she obtains a GPA of 1.8 or more during the first supplementary.

(xiv) A candidate who fails the second supplementary examination in semesters 1 to 4 shall be discontinued from studies, except in special circumstances, if recommended by the School Board and Senate Undergraduate Education Committee and approved by the University Senate. A candidate who fails the second supplementary examination in semesters 5 to 8 shall be allowed to supplement the failed courses at the end of Semester 8 provided the maximum tenure of twelve semesters is not exceeded.

(xv) A candidate who passes a supplementary examination shall be awarded a "C" grade in the re-examined subject.

(xvi) A candidate failing the final research project examination in semester 8 may, on the recommendation of the School Board be allowed to supplement the project in 3 months.

(xvii) A candidate will be awarded the B. Pharm degree after passing all the prescribed courses in the programme and the research project.

(xviii) The grading system and B. Pharm degree shall be classified.

4.2.3 Grading and Degree Classification System

The weighting of modules contributing to the degree classification shall be based on the number of Credits for each module from semester 1 to semester 8 as shown below: -

Marks %	Letter grade	GPA	Classification
75-100	A	4.4-5.0	First Class
70-74	B+	3.5-4.3	Upper Second
60-69	B	2.7-3.4	Lower Second
50-59	C	2.0-2.6	Pass

CHAPTER FIVE:SCHOOL OF NURSING

5.1 INTRODUCTION

The Muhimbili University of Health and Allied Science (MUHAS) pioneered the development of nursing degree programmes in the country even before the inception of MUCHS in 1991. The simultaneous growth of the University and the School of Nursing (SON) marks the growth of the Nursing profession in the country and without doubt, it has been highly successful. This is in keeping with the vision of the School to become a centre of excellence in nursing education, service provision, research and consultancy.
By this vision, the SON has performed its role as the premier provider of nursing professionals who now hold leading positions in both governmental and non-governmental organizations, and the school also provides the majority of teachers for other Schools of Nursing in the various Universities in the country.

The SON gives students opportunity for professional growth that has abundant benefits, many of which are unexplored. At present, nurses have an extended role in health services and the various programmes that we offer provides an opportunity to unique prospects in career development.

We offer undergraduate programmes in the Bachelor of Science in Nursing (BScN), and a Bachelor of Science in Midwifery. Moreover we have made these courses available for both direct entrants and post registered nurses who want to advance their careers.

5.2 UNDERGRADUATE PROGRAMMES
5.2.1 BSc Nursing Degree Programme

This is an eight semester (four years) competency based programme leading to the Bachelor of Science in nursing degree of this University, followed by a one year internship only for the direct entrants at an approved hospital..

5.2.1.1 BSC. NURSING DEGREE PROGRAMME COURSES

Code	Course	Lectures		Seminars / Tutorial		Practicals		Total	
		Hrs	Credit	Hrs	Credit	Hrs	Credit	Hrs	Credit
Semester 1:57.6 Credits									
BC 102	Principles of Biochemistry	60	6.0	0	0	40	4.0	100	10.0
AN 102	Essential Anatomy for Health Professionals	80	8.0	0	0	50	5.5	130	13.0
PH 102	Basic Physiology	115	11.5	0	0	74	7.4	189	18.9

CS 100	Communication Skills	60	6.0	0	0	21	2.1	81	8.1
PF 103	Professionalism and Ethics in Health Sciences	50	5.0	0	0	26	2.6	76	7.6
Semester 2: 57.6 Credits									
DS 100	Theories of Social Development and Critical issues in Health	55	5.5	15	1.5	0	0.0	70	7.0
NN 100	Nutrition	100	10.0	0	0	10	1.0	110	11.0
NC 100	Basic Communication Skills	42	4.2	0	0	34	3.4	76	7.6
NP 100	Principles of Nursing	67	6.7	0	0	133	13.3	200	20.0
IT 100	Information and Learning Technologies	57	5.7	0	0	75	7.5	132	13.2
Semester 3: 57.6 Credits									
PE 200	Parasitology/ Entomology	60	6.0	0	0	50	5.0	110	11.0
MI 203	Microbiology/Immunology	110	11.0	0	0	82	8.2	192	19.2
DS 200	Health systems and development trends	55	5.5	15	1.5	0	0	70	7.0
BS 200	Medical Sociology and Health Psychology	100	10.0	0	0	0	0	100	10.0
EH 200	Occupational Health & Safety	25	2.5	29	2.9	50	5.0	104	10.4
Semester 4: 57.6 Credits									
CP 203	Clinical Pharmacology	106	10.6	0	0	90	9.0	196	19.6
NS 200	Medical Surgical Nursing	60	6.0	90	9.0	230	23.0	380	38.0
Semester 5: 57.6 Credits									
NM 300	Midwifery	120	12.0	0	0	246	24.6	366	36.6
ER 300(1)	Epidemiology and Biostatistics	45	4.5	0	0	45	4.5	90	9.0
CE 300	Basic critical care and Emergency nursing	30	3.0	0	0	90	9.0	120	12.0

Semester 6: 57.6 Credits									
ER 300(2)	Basic Biostatistics and Demography	35	3.5	0	0.0	35	3.5	70	7.0
NR 302	Basic Nursing Research	66	6.6	24	2.4	120	12.0	210	21.0
NC 300	Community Health Nursing & Midwifery	75	7.5	49	4.9	0	0.0	124	12.4
NP 300	Paediatric Nursing	80	8.0	0	0.0	92	9.2	172	17.2
Semester 7: 57.6 Credits									
NH 400	Mental Health & Psychiatric Nursing	50	5.0	0	0	150	15.0	200	20.0
NR 400	Applied Research	15	1.5	5	0.5	119	11.9	139	13.9
*NC 400	Applied Community Health Nursing & Midwifery	7	0.7	0	0	120	12.0	127	12.7
NT 400	Teaching and Learning in Clinical Practice	50	5.0	0	0	60	6.0	110	11.0
Semester 8: 57.6 Credits									
NF 400	Forensic and Community Psychiatric Nursing	75	7.5	25	2.5	226	22.6	326	32.6
NL 400	Nursing Leadership & Management	48	4.8	77	7.7	125	12.5	250	25.0
*Field work During Holiday									



Nursing Students and a Teacher in a clinical session

5.2.3 BSc Midwifery Degree Programme

This is an eight-semester (4 years) programme. . The basic science courses are taught during the first four semesters while nursing and midwifery courses are done over the entire training period. The training will lead to the Bachelor of Sciences in Midwifery degree of this University.

5.2.3.1. BSc Midwifery Degree Programme Courses

Code	Course	Lectures		Seminars/ Tutorial		Practicals		Total	
		Hrs	Credit	Hrs	Credit	Hrs	Credit	Hrs	Credit
Semester 1: 57.6 Credits									
BC 102	Principles of Biochemistry	60	6.0	0	0	40	4.0	100	10.0
AN 102	Essential Anatomy for Health Professionals	80	8.0	0	0	50	5.0	130	13.0
PH 102	Basic Physiology	115	11.5	0	0	74	7.4	189	18.9
CS 100	Communication Skills	60	6.0	0	0	21	2.1	81	8.1
PF 103	Professionalism and Ethics in Health Sciences	50	5.0	0	0	26	2.6	76	7.6
Semester 2: 57.6 Credits									
DS 100	Theories of Social Development and	55	5.5	15	1.5	0	0.0	70	7.0

	Critical issues in Health								
NN 100	Nutrition	100	10.0	0	0	10	1.0	110	11.0
NC 100	Basic Communication Skills	42	4.2	0	0	34	3.4	76	7.6
NP 100	Principles of Nursing	67	6.7	0	0	121	12.1	188	18.8
IT 100	Information and Learning Technologies	57	5.7	0	0	75	7.5	132	13.2
TOTAL		**292**	**19.5**	**15**	**0.5**	**269**	**6.1**	**576**	**57.6**
Semester 3: 57.6 Credits									
PE 200	Parasitology/ Entomology	60	6.0	0	0	50	5.0	110	11.0
MI 203	Microbiology/Immunology	110	11.0	0	0	80	8.0	190	19.0
DS 200	Health systems and development trends	55	5.5	15	1.5	0	0	70	7.0
BS 200	Medical Sociology and Health Psychology	100	10.0	0	0	0	0	100	10.0
EH 200	Occupational Health & Safety	25	2.5	29	2.9	52	5.2	106	10.6
TOTAL		**350**	**35.0**	**44**	**4.4**	**182**	**18.2**	**576**	**57.6**
Semester 4: 57.6 credits									
CP 203	Clinical Pharmacology	106	10	0	0	90	90	196	19.6
NS 200	Medical Surgical Nursing	60	6.0	90	9.0	230	23.0	380	38.0
TOTAL		**166**	**16.0**	**90**	**9.0**	**320**	**32.0**	**576**	**57.6**
Semester 5: 57.6 credits									
NM 300	Midwifery	120	12.0	0	0	246	24.6	366	36.6
ER 300.01	Epidemiology and Biostatistics	45	4.5	0	0	45	4.5	90	9.0
CE 300	Basic critical care and Emergency Nursing	30	3.0	0	0	90	9.0	120	12.0
TOTAL		**195**	**19.5**	**0**	**0**	**381**	**38.1**	**576**	**57.6**
Semester 6: 57.6 credits									
ER 300.02	Basic Biostatistics and Demography	35	3.5	0	0.0	35	3.5	70	7.0

NR 302	Basic Nursing Research	66	6.6	25	2.5	110	11.0	201	20.1
NC 300	Community Health Nursing & Midwifery	75	7.5	49	4.9	0	0.0	124	12.4
NO 300	Comprehensive Emergency Obstetric and New born Care	70	7.0	10	1.0	101	10.1	181	18.1
TOTAL		**246**	**24.6**	**84**	**8.4**	**246**	**24.6**	**576**	**57.6**
Semester 7: 57.6 credits									
NR 400	Applied Research	35	3.5	0	0	35	3.5	70	7.0
*NC 400	Applied Community Health Nursing & Midwifery	7	0.7	0	0	389	38.9	396	39.6
NT 400	Teaching and Learning in Clinical Practice	50	5.0	0	0	60	6.0	110	11.0
TOTAL		**92**	**9.2**			**484**	**48.4**	**576**	**57.6**
Semester 8: 57.6 Credits									
NP 300	Paediatric Nursing	80	8.0	0	0.0	92	9.2	172	17.2
NL 400	Nursing Leadership & Management	48	4.8	77	7.7	279	27.9	404	40.4
TOTAL		**128**	**12.8**	**77**	**7.7**	**371**	**37.1**	**576**	**57.6**
*Field work During Holiday									

5.2.4. Examination regulations for the undergraduate Nursing degrees

(i) General University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations. Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter One.

(ii) The BSc Nursing and BSc Midwifery degrees are 8 semester programmes and the maximum tenure shall be 10 semesters.

(iii) Registration for full time students shall be once at the beginning of each semester.

(iv) The academic year shall be the basic academic audit unit and registration shall be once at the beginning of each semester.

(v) All courses offered during a semester shall be examined within that semester at the end of module/modular course or rotation and moderators or external examiners shall be invited at the end of semester or academic year.

(vi) For every module/modular course taught in a semester, there shall be at least two continuous assessment tests (CAT) and regular assessment of competencies and an end of module examination. The CAT and assessment of

competencies shall form the Formative Assessment (FA) and end of module/courses/rotation examination the Summative Assessment (SA). The FA shall constitute 50% of the final assessment grade.

(vii) The FA and SA shall consist of written (MCQ, Short Essays, Long essays, quizzes, graded field reports, graded assignments, graded presentations and others), skills and attitude components (multisource observation and rating of performances, Objective Structure Practical Examination (OSPE), logbooks, peer evaluation, self assessment). The proportional contribution for written and practical examinations will be 60 and 40% respectively, for Basic Sciences and 40% and 60% in clinical Sciences.

(viii) A candidate who for compelling reasons does not appear for any regular examination wholly or partly shall only be allowed by Senate to sit for special examination as first sitting for basic sciences during long vacation and for Clinicals when next offered.

(ix) A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.

(x) A candidate who fails modules/courses shall be allowed to sit for first supplementary in the failed modules during the long vacation if he/she obtained a GPA of 1.6 or higher.

(xi) A candidate who obtains a GPA of less than 1.6 at the end of audit year shall be discontinued from studies.

(xii) A candidate who fails three or more courses in any semester or in an audit year during semesters one (1) to four (4), shall be discontinued from studies regardless of GPA. To pass a course a candidate has to pass all modules in that course.

(xiii) A candidate who fails the supplementary with a GPA of less than 1.8 shall be discontinued from studies.

(xiv) A candidate who fails the first supplementary shall be allowed to proceed to the next year of study and sit for a second supplementary in the failed modules when next offered provided he/she obtains a GPA of 1.8 or higher in the course.

(xv) A candidate who fails the second supplementary examination in semesters 1 to 4 shall be discontinued from studies, except in special circumstances, if recommended by the School Board and Senate Undergraduate Education Committee and approved by the University Senate. A candidate who fails the second supplementary examination in semesters 5 to 8 shall be allowed to supplement the failed courses during long vacation (Semeters 5 and 6) and at the end of Semester 8 provided the maximum tenure of ten semesters is not exceeded.

(xvi) The highest grade a candidate can obtain after a supplementary shall be a C in the course.

(xvii) A candidate who scores 50% or higher in a clinical/practical module/modular course or rotation examined shall be declared to have passed if he/she also passed the clinical/practical part of that examination which consists of 40% FA and 60% SA.

(xviii) A finalist failing a supplementary examination after he/she has attended all prescribed courses shall sit for a second supplementary when next offered, provided the maximum tenure is not exceeded.

(xix) A student shall be awarded the Bachelor of Science in Nursing or Bachelor of Science in Midwifery or Bachelor of Science in Nursing Management after passing all prescribed courses.

(xx) The Bachelor of Science in Nursing, Bachelor of Science in Midwifery and Bachelor of Science Nursing (Management) degrees shall not be classified.

5.2.5 Regulations for Fieldwork Project Report

To qualify for the award of BSc. Nursing and BSc. Midwifery degree, one must pass all semester examinations and the field/research report.

5.2.6 Grading System

The letter grades will be assigned grade point (GP) in accordance with the raw marks attained, as follows:

Letter Grade	**A**	**B+**	**B**	**C**	**D**	**E**
GP Range	5.0 – 4.4	4.3 – 3.5	3.4 – 2.7	2.4 – 2.0	1.9 – 1.5	1.4 – 0.0
%Score	100 -75%	74- 70%	69 60%	59 -505	49 – 45%	44 – 0%

CHAPTER SIX: SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

6.1 INTRODUCTION

The School of Public Health and Social Sciences (SPHSS) is one of five schools within Muhimbili University of Health and Allied Sciences (MUHAS). The School came into being after the amalgamation of the former Institute of Public Health, the Institute of Development Studies and the Institute of Primary Health Care and Continuing Education. The Institute of Public Health however dates back to July 1991 when it was established after the then faculty of medicine was upgraded into a college. Currently the SPHSS has six departments: Behavioural Sciences; Community Health; Development Studies; Epidemiology and Biostatistics; Parasitology and Medical Entomology; and Environmental and Occupational Health.

The vision of the Muhimbili School of Public Health and Social Sciences is to become a centre of excellence in the field of Public Health both at home in Tanzania, East Africa, and beyond. The mission of SPHSS is to provide quality teaching, research, consultancy and public health services to the people of Tanzania and beyond using public health principles. All these elements also aim at addressing the core functions of the University: training of human resources for health in both formal and continuing education as well as using professional development approaches; conducting research relevant to solving community health problems; and providing technical assistance in various public health disciplines to partners, collaborators, ministries and implementers of public health interventions. The School realizes that collaborative work with various stakeholders and partners is fundamental to achieving these noble objectives.

The School has more than 47 members of staff24 of these having acquired PhDs from various world class Universities across the world thus bringing home a wealth of skills, experience and competences to share with stakeholders especially students. The School has a wealth of experience in conducting research and community service activities within Tanzania and beyond and collaborates with a number of partner Universities, Governments, and Research Institutions and not least the communities we serve.

The school members of academic staff teach across the University in cross cutting subjects, and the School is host to one undergraduate and eleven postgraduate programmes with a total of 71 undergraduate students.

6.2 BSC (ENVIRONMENTAL HEALTH SCIENCE) DEGREE PROGRAMME

This is a six semester (three years) competency based programme whose overall aim is to train and produce graduates with a wide range of relevant competencies and skills which will enable them to make positive contributions towards the management and improvement of environmental health in Tanzania and beyond.

6.2.1 BSc (Environmental Health Science) Degree Programme courses

Code	Name of Course	Lecture		Practical		Tutorial/seminar		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits	Hrs	Credits
Semester 1: 57.6 Credits									
AN 106	Human Anatomy	80	8.0	50	5.0	0	0.0	130	13.0
PH 106	Basic Physiology	80	8.0	50	5.0	0	0.0	130	13.0
EH 101	Environmental Sciences	45	4.5	15	1.5	0	0.0	60	6.0
EH 102	Communication Skills and Information technology	50	5.0	80	8.0	0	0.0	130	13.0
BC 106	Principles of Biochemistry	50	5.0	40	4.0	0	0.0	90	9.0
PF 101	Professionalism and Ethics in Health Sciences	28	2.8	0	0.0	8	0.8	36	3.6
Semester 2: 57.6 Credits									
EH 101	Environmental Sciences	95	9.5	103	10.3	0	0.0	198	19.8
EH 103	Building Technology	70	7.0	50	5.0	0	0.0	120	12.0
EH 104	Housing, Urbanization and Human Settlement	115	11.5	73	7.3	0	0.0	188	18.8
DS 100	Theories of Social Development and Critical Issues in Health	55	5.5	0	0.0	15	1.5	70	7.0
Semester 3:57.6 Credits									
EH 200	Occupational Health & Safety (Module 1)	25	2.5	29	2.9	0	0.0	54	5.4
EH 201	Water & Sanitation	71	7.1	60	6.0	0	0.0	131	13.1

EH 202	Waste Management	95	9.5	40	4.0	0	0.0	135	13.5
EH 203	Anatomy, General and Specific Pathology of Food Animals	86	8.6	40	4.0	0	0.0	126	12.6
EH 204	Epidemiology and Biostatistics, and Qualitative Research (Module 1)	24	2.4	36	3.6	0	0.0	60	6.0
DS 200	Health Care Delivery Systems and Development Trends	55	5.5	0	0.0	15	1.5	70	7.0
Semester 4: 57.6 Credits									
EH 200	Occupational Health & Safety (Module 2)	66	6.6	59	5.9	0	0.0	125	12.5
EH 205	Food Systems and Nutrition	60	6.0	140	14.0	0	0.0	200	20.0
EH 206	Environmental Health Law & Policy	71	7.1	0	0.0	20	2.0	91	9.1
EH 204	Epidemiology and Biostatistics, and Qualitative Research (Module 2 & 3)	80	8.0	80	8.0	0	0.0	160	16.0
Semester 5: 57.6 Credits									
EH 300	Environmental Inspection and Port Health (Module 1)	55	5.5	40	4.0	0	0.0	95	9.5
EH 301	Environmental Pollution and Control	65	6.5	46	4.6	0	0.0	111	11.1

EH 302	Food Safety and Hygiene	74	7.4	50	5.0	0	0.0	124	12.4
EH 303	Toxicology and Health Risk Management	75	7.5	21	2.1	0	0.0	96	9.6
EH 304	Parasitology, Medical Entomology and Vermin Control	86	8.6	64	6.4	0	0.0	150	15.0
Semester 6: 57.6 Credits									
EH 305	Environmental Assessment and Economics	90	9.0	30	3.0	0	0.0	120	12.0
EH 306	Health System Management, Education & Promotion	80	8.0	30	3.0	10	1.0	120	12.0
EH 300	Environmental Inspection and Port Health (Module 2)	30	3.0	32	3.2	0	0.0	62	6.2
EH 307	Communicable Disease Control, Field Attachment and Research Project	50	5.0	224	22.4	0	0.0	274	27.4

6.2.1.2 Examination regulations for the BSc Environmental Health Scienceprogramme

(i) General University Examination regulations on registration for examination, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations. Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter 1.

(ii) The BSc (EHS) is a six-semester programme and the maximum tenure shall be 8 semesters.

(iii) The registration of full time students shall be once at the beginning of each semester.

(iv) The maximum freezing period shall be four (2) semesters.

(v) All modules offered during a semester shall be examined at theend of the modules

(vi) External examiners or moderators shall be invited at the end of the audit year

(vii) There shall be at least two Continuous Assessment Tests (CAT) and regular assessment of competencies for each module/modular course taught during each semester. The field reports shall also be marked and graded as CAT. The CAT and the regular assessment of competencies shall constitute the Formative Assessment (FA) and the final end of module/modular course or rotation examination the Summative Assessment (SA). FA shall constitute 50% of the final grade in each module.

(viii) The FA and SA shall consist of written (MCQ's, essays field reports, assignments, presentations and others) and practical/clinical components (global observation and rating of live/recorded performances, procedures and logbooks, OSPE, peer rating, multisource rating and others). The proportional contribution for written and practical examinations will be 40%, and 60% respectively. The proportional contribution of written and oral components in SA will be 40% and 10%, respectively. In case there will be no oral examinations, written examinations will contribute 50% of the final grade and assessment of competencies the other 50%.

(ix) A candidate who fails to obtain 50% of the FA grade shall not be allowed to sit for the SA of the module and will be subjected to repeat the module when it is next offered.

(x) Decision-making on failing students shall be determined at the end of the audit year.

(xi) A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.

(xii) A candidate who obtains a GPA of 1.6 or more shall be required to supplement the failed modules at the end of academic audit year, during the long vacation.

(xiii) A candidate who obtains a GPA of less than 1.6 at the end of the academic audit year shall be discontinued from studies.

(xiv) A candidate who fails three or more courses in any semester or in an audit year during semesters one (1) to two (2), shall be discontinued from studies regardless of GPA. To pass a course a candidate hasto pass all modules in that course.

(xv) A candidate who fails in a supplementary examination shall be allowed to carry-over the failed module(s) to the next academic audit year and appear for a second supplementary examination in the failed module(s) of the respective course(s) when next offered provided the GPA is 1.8 or higher.

(xvi) A candidate who fails the second supplementary shall be discontinued from studies.

(xvii) A candidate who passes a supplementary examination at any level shall be awarded a "C" grade equivalent to 2.0 grade points.

(xviii) A candidate who obtains a GPA of less than 1.8 in a supplementary examination shall be discontinued.

(xix) A candidate who fails the second supplementary examination in semesters 1 to 4 shall be discontinued from studies, except in special circumstances, if recommended by the School Board and Senate Undergraduate Committee and approved by the University Senate. A candidate who fails the second supplementary examination in semesters 5 and 6 shall be allowed to

supplement the failed courses at the end of Semester 6 provided the maximum tenure of eight semesters is not exceeded.

(xx) A candidate will be awarded the BSc (EHS) degree of thisUniversity after passing all the prescribed courses in the programme including, Elective course, field attachment and field project.

6.2.1.3 **Grading and Degree Classification System**

The weighting of modules contributing to the degree classification shall be based on the number of Credits for each module from semester 1 to semester 6 as shown below: -

Marks %	Letter grade	GPA	Classification
75-100	A	4.4-5.0	First Class
70-74	B+	3.5-4.3	Upper Second
60-69	B	2.7-3.4	Lower Second
50-59	C	2.0-2.6	Pass

CHAPTER SEVEN: INSTITUTE OF ALLIED HEALTH SCIENCES

8.1 INTRODUCTION

The Institute of Allied Health Sciences is a Public Institution for Training middle level health care providers in Tanzania leading to award of Diploma and Advanced Diploma in various Academic programmes.

The Institute is in position to provide in teaching, learning, research and service in Allied Health Sciences that are based on curative, preventive, rehabilitative and restorative health care.

8.2 DIPLOMA PROGRAMMES

8.2.1 Diploma in Medical Laboratory Sciences Programme

This is a competency based six-semester Diploma in Medical Laboratory Sciences (DMLS) Programme. It intends to train health personnel capable of managing medical laboratory and diagnostic services focusing on preventive curative and rehabilitative health care. Students are also trained to carry out research activities relevant to provision of quality health in laboratory services.

8.2.1.1 Entry requirements

Direct Entry
Credits in Biology and Chemistry and Physics, and D grade in English and Mathematics at 'O' level.

Equivalent Qualifications
Certificate in Medical Laboratory sciences with three years experience who has passed the selection examination recognized by the University and must have 'O' level secondary school certificate.

8.2.1.2 Diploma in Medical Laboratory Sciences (DMLS) Programme Courses

Code	Course Name	Lectures		Practicals/Field		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6 Credits							
AP 103	Anatomy and Physiology	150	15.0	-	-	150	10.0
CL 100	Clinical Laboratory Instruments and Introduction & Application to computers	100	10.0	180	18.0	280	28.0
MB 100	Basic Medical Biochemistry and Introduction to Molecular Biology & Molecular Diagnostics	151	15.1	45	4.5	196	19.6

SEMESTER 2: 57.6 Credits							
HC 100	Health Policy and Communication Skills	96	9.6	45	4.5	141	14.1
MQ100	Medical Biostatistics and Quality Assurance	102	10.2	45	4.5	147	14.7
EM 100	Medical Laboratory Practice and Entrepreneurship	75	7.5	213	21.3	288	28.8
SEMESTER 3: 57.6 Credits							
B T 201	Introduction to Blood Transfusion	31	3.1	64	6.4	95	9.5
CM 201	Macromolecules and Metabolic Pathways	42	4.2	57	5.7	99	9.9
HE 201	Basic Hematology and Staining Techniques	32	3.2	65	6.5	97	9.7
MC 201	Bacteria and Basic Immunology	30	3.0	65	6.5	95	9.5
PR 201	Human Protozoa and Cestodes	32	3.2	62	6.2	94	9.4
HP 201	Tissue Preparations and Exfoliative Cytology	18	1.8	78	7.8	96	9.6
SEMESTER 4: 57.6 Credits							
B T 202	Blood Products and Compatibility Techniques	36	3.6	44	4.4	80	8.0
CM 202	Renal and Bone Analytes	46	4.6	55	5.5	101	10.1
HE 202	Blood Indices, ESR and Coagulation	29	2.9	52	5.2	81	8.1
MC 202	Basic Mycology, Virology and Quality Control	33	3.3	68	6.8	101	10.1
PR 202	Trematodes and Nematodes of Medical importance	48	4.8	61	6.1	109	10.9
HP 202	Tissue Processing and Stained Sections Preparation	60	6.0	44	4.4	104	10.4

SEMESTER 5: 57.6 Credits							
CM 301	Clinical Enzymology and Organ Functions	39	3.9	40	4.0	79	7.9
HE 301	Blood Abnormalities and Malignant Diseases	44	4.4	30	3.0	74	7.4
RC 300	Research Methodology	30	3.0	45	4.5	75	7.5
ML 300	Medical Laboratory Management	24	2.4	45	4.5	69	6.9
MC 301	Systemic Bacteria and Sexually Transmitted Infections	37	3.7	40	4.0	77	7.7
HP 301	Pigments and Special Stains	43	4.3	45	4.5	88	8.8
EM 300	Vectors of Medical Importance	58	5.8	56	5.6	114	11.4
SEMESTER 6: 57.6 Credits							
LF 300	Clinical Laboratory Field Work Practice	0	0	320	32.0	320	32.0
CM 302	Clinical Chemistry Quality Assurance	32	3.2	30	3.0	62	6.2
HE 302	Leukemia& other Proliferative Disorders	35	3.5	30	3.0	65	6.5
MC 302	Anaerobic Bacteria and Notifiable Diseases.	32	3.2	30	3.0	62	6.2
HP 302	Lipids, Immunohistochemistry and Enzyme	37	3.7	30	3.0	67	6.7

8.2.2 Diploma in Environmental Health Sciences Programme

This is a competency-based six-semester Diploma in Environmental Health Sciences (DEHS) programme. It is intended to enable Environmental Health graduates to organize, plan, manage, supervise, monitor and evaluate, comprehensive preventive and promotional health services targeted at individuals and communities at all levels of the health care delivery system in the country and elsewhere. The programme is also intended to ensure that EHOs are provided with state of the art knowledge and skills, enabling them to be catalysts for sustainable and innovative health solutions by communities.

8.2.2.1 Entry requirements

1. **Entry Requirements:**

(a) Direct Entry

Credit pass in in Biology, Chemistry and Physics, and D in English and Mathematics at 'O' level

(b) Equivalent Qualification

Certificate in Medical laboratory sciences (Laboratory Assistant) with three years experience who passed the selection examination recognized by University and must have 'O' level secondary shool certificate

8.2.2.2 Diploma in Environmental Health Sciences (DEHS) Programme Courses

Code	Course Name	Lectures		Practicals/Seminar		Total	
		Hrs.	Credits	Hrs.	Credits	Hrs.	Credits
SEMESTER 1: 57.6 Credits							
BE 100	Basic science in Environmental Health	135	13.5	201	20.1	336	33.6
CH 100	Community health	105	10.5	135	13.5	240	24.0
SEMESTER 2: 43.4 Credits							
CH 100	Community Health	150	15.0	426	42.6	576	57.6
SEMESTER 3:57.6 Credits							
FS 200	Food and Meat safety	90	9.0	251	25.1	341	34.1
PN 200	Pollution Control	85	8.5	150	15.0	235	23.5
SEMESTER 4: 57.6 Credits							
ES 200	Built Environment And Sanitation	150	15.0	426	42.6	576	57.6
SEMESTER 5: 57.6 Credits							
PA 300	Public Health Administration and Management	210	21.0	366	36.6	576	57.6
SEMESTER 6: 57.6 Credits							
RY 300	Research methodology & Project management	126	12.6	450	45.0	576	57.6

8.2.3 Diploma in Diagnostic Radiography Programme

This is a competency-based six-semester Diploma in Diagnostic Radiography (DDR) programme. The aim of the programme is to train radiographers to be able to use different kinds of X-rays CT IMRI ultrasound, CR and digital Radiography facilities scans and to

investigate diseases injuries in patients. They should also be able to care for patients and maintain radiological facilities, i.e. Radiological and Imaging facilities in their place of work. The radiographer will also be trained to interpret plain radiographs and give intravenous injections where applicable.

8.2.3.1 Entry Requirements

Direct Entry
C grade or higher passes in three out of Physics, Chemistry, Biology and Mathematics and at least D grade pass in English. Physics is a major subject.

Equivalent Qualifications
Radiographer Assistant with three years experience who has passed the selection examination recognized by the University and must have 'O' - level secondary school certificate.

8.2.3.2 Diploma in Diagnostic Radiography (DDR) Programme Courses

Code	Course Name	Theory		Practicals/Seminars		Total	
		Hrs.	Credits	Hours	Credits	Hrs.	Credits
SEMESTER 1: 57.6 Credits							
RI 100	Radiographic Imaging	45	4.5	-	-	45	4.5
RP 101	Radiographic Procedures	60	6.0	45	4.5	105	10.5
AP 101	Anatomy, Physiology and Pathology	60	6.0	-	-	60	6.0
IP 100	Imaging Physics	71	7.1	-	-	71	7.1
PM100	Patient Management	90	9.0	120	12.0	210	21.0
CR 101	Clinical rotations	-	-	85	8.5	85	8.5
SEMESTER 2: 57.6 Credits							
MR100	Radiographic Imaging	66	6.6	-	-	66	6.6
RP 102	Radiographic Procedures	45	4.5	45	4.5	90	9.0
CA100	Introduction to Computer Application	30	3.0	45	4.5	75	7.5
UI 100	Ultrasound Imaging	30	3.0	-	-	30	3.0
AP 102	Anatomy, Physiology and Pathology	90	9.0	-	-	90	9.0
RS 100	Radiation Sciences	45	4.5	-	-	45	4.5
CR 102	Clinical Rotation	-	-	180	18.0	180	18.0
SEMESTER 3: 57.6 Credits							
RE 200	Radiographic Equipment	171	17.1	30	3.0	201	20.1

AP 200	Anatomy, Physiology and Physiology	120	12.0	-	-	120	12.0
RS 200	Radiation Sciences	30	3.0	45	4.5	75	7.5
CR 201	Clinical Rotation	-	-	180	18.0	180	18.0
SEMESTER 4: 57.6 Credits							
RP 200	Radiographic Procedures	120	12.0	-	-	120	12.0
DP 200	Disease Pattern Recognition	60	6.0	90	9.0	150	15.0
UI 200	Ultrasound Imaging	45	4.5	51	5.1	96	9.6
CR202	Clinical Rotation	-	-	210	21.0	210	21.0
SEMESTER 5: 57.6 Credits							
RP 300	Radiographic Procedures	45	4.5	45	4.5	90	9.0
DP 300	Disease Pattern Recognition	45	4.5	90	9.0	135	13.5
UI 300	Ultrasound Imaging	45	4.5	45	4.5	90	9.0
MA 300	Management and Administration	45	4.5	81	8.1	126	12.6
QA 300	Quality Assurance	45	4.5	45	4.5	90	9.0
CR 301	Clinical Rotation	-	-	45	4.5	45	4.5
SEMESTER 6: 57.6 Credits							
IP 300	Radiographic Procedure	45	4.5	45	4.5	90	9.0
FW 300	Field Work	-	-	135	13.5	135	13.5
SE 300	Specialized Equipment	81	8.1	-	-	81	8.1
CR 300	Clinical Rotation	-	-	270	27.0	270	27.0

8.2.4 Diploma in Orthopaedic Technology Programme

This is a Six-Semester Diploma in Orthopaedic Technology (DOT) Programme. The programme is intended to impart knowledge and skills to students on the evaluations, design, and fitting of different orthopaedic appliances, equipment and materials. It also aims to impart the correct attitude in students towards patient care.

8.2.4.1 Entry requirements

Direct Entry

Three credits passes out of Physics, Chemistry, Biology or Mathematics at 'O'level. Credit pass in engineering subjects is also acceptable as the third credit pass.

Equivalent Qualifications

Candidates must have certificate in lower limb Prosthetics or Orthotics and must have two credit passes in science subjects at "O" level.

8.2.4.2 Diploma in Orthopedic Technology (DOT) Programme Courses

Code	Course Name	Lectures		Practical/Seminars		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6Credits							
BS 101	Basic Sciences	135	13.5	90	9.0	225	22.5
AO 100	Ankle Foot Orthotic Science	165	16.5	186	18.6	351	35.1
SEMESTER 2: 57.6 Credits							
AF100	Ankle Foot Prosthetic Science	16	1.6	180	18.0	196	19.6
TT 100	Trans-tibial Prosthetic Science	90	9.0	230	23.0	320	32.0
GH 100	General Health Education,	45	4.5	15	1.5	60	6.0
SEMESTER 3: 57.6 Credits							
KO 200	Knee Ankle Foot Orthotic Science	90	9.0	486	48.6	576	57.6
SEMESTER 4: 57.6 Credits							
KD 200	Knee Disarticulation Prosthetic Science	**30**	3.0	186	18.6	216	21.6
TF 200	Trans-femoral Prosthetic Science	30	3.0	270	27.0	300	30.0
LM 200	Leadership and Management	60	6.0	0	0	60	6.0
SEMESTER 5: 57.6 Credits							
PO 300	Prosthetics and Orthotics	65	6.5	481	48.1	546	54.6
HR 300	Management Health System Research	30	3.0	0	0	30	3.0
SEMESTER 6: 57.6 Credits							
CP 300	Clinical Placement	**0**	**0**	**576**	**57.6**	**576**	**57.6**

8.2.5 Diploma in Pharmaceutical Sciences Programme.

This is a Six Semester Diploma in Pharmaceutical Science (DPS) Programme. It is intended to train competent Pharmaceutical technician who can manage a district or a health care centre pharmacy under the supervision of a registered pharmacist. The training mainly focuses on imparting knowledge and skills to students on compounding and dispensing drugs to in-patient and outpatients in the health facilities. Also students are trained on providing drug related information to patients and the public at large.

8.2.5.1 Entry Requirement

Direct Entry

Three credit passes which must include Maths, Chemistry and English with a pass in Biology and Physics.

Equivalent Qualifications

Pharmaceutical Assistant with three years experience who has passed the selection examination recognized by the University and must have 'O' level secondary school certificate.

8.2.5.2 Diploma in Pharmaceutical Sciences (DPS) Programme Courses

Code	Course Name	Lectures		Seminars		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1:57.6Credits							
HY 100	Pharmaceutical Hygiene	75	7.5	18	1.8	93	9.3
IC 100	Pharmaceutical Inorganic chemistry	75	7.5	18	1.8	93	9.3
PL 100	Basic Pharmaceutical Calculations	75	7.5	18	1.8	93	9.3
PO 100	Basic Pharmaceutics	75	7.5	69	6.9	144	14.4
AP 102	Anatomy and Physiology	135	13.5	18	1.8	153	15.3
SEMESTER 2: 57.6 Credits							
PL 101	Applied Pharmaceutical Calculation	75	7.5	20	2.0	95	9.5
MC 100	Pharmaceutical Microbiology	75	7.5	45	4.5	120	12.0
PO 101	Liquid preparations	75	7.5	46	4.6	121	12.1
PP 101	Compounding of homogenous liquid dosage forms	15	1.5	135	13.5	150	15.0
PY 100	Basic Pharmacology	60	6.0	30	3.0	90	9.0
SEMESTER 3: 57.6 Credits							
OC 200	Pharmaceutical Organic Chemistry	120	12.0	5	0.5	125	12.5
PG 201	Basic Pharmacognosy	75	7.5	3	0.3	78	7.8

PL 201	Isotonicity, Electrolyte and Constitution Calculations	75	7.5	3	0.3	78	7.8
PY 200	Drugs acting in body system	120	12.0	5	0.5	125	12.5
PO 202	Semi solid products	75	7.5	3	0.3	78	7.8
PP 200	Compounding of Heterogenous liquid dosage forms	2	0.2	90	9.0	92	9.2
SEMESTER 4: 57.6 credits							
PG 201	Applied Pharmacognosy	75	7.5	21	2.1	96	9.6
DM 200	Management, procurement and supplied of pharmaceuticals	75	7.5	20	2.0	95	9.5
PY 201	Anti-infective and anti-inflammatory agents	60	6.0	20	2.0	80	8.0
PO 201	Solid dosage forms	75	7.5	20	2.0	95	9.5
PP 201	Compounding of semi solid dosage forms	15	1.5	90	9.0	105	10.5
FP 200	Forensic pharmacy	45	4.5	15	1.5	60	6.0
CP 202	Community pharmacy	30	3.0	15	1.5	45	4.5
SEMESTER 5:57.6 Credits							
PO 300	Sterilization and Surgical dressings	135	135.0	20	2.0	155	15.5
PY 300	Haematinics, anti-neoplastic immunosuppressant drugs and endocrine drugs	75	7.5	15	1.5	90	9.0
FP 300	Controlled drugs	75	7.5	15	1.5	90	9.0
DM 300	Inventory Management	75	7.5	16	1.6	91	9.1
PP 303	Compounding of solid dosage forms	15	1.5	135	13.5	150	15.0
SEMESTER 6: 57.6 Credits							
FW 301	Field work	0	0	315	31.5	315	31.5
PO 301	Immunology and immunological products	45	4.5	15	1.5	60	6.0
PP 301	Compounding of extemporaneous preparations	6	0.6	90	9.0	96	9.6
EN 300	Entrepreneurship	30	3.0	5	0.5	35	3.5
DM 301	Pharmaceuticals Quality assurance and financing strategies	60	6.0	10	1.0	70	7.0

8.2.6 Diploma in Nursing Programme.

The pre-service Diploma in Nursing is designed and organized in six semesters, each with specified courses. The programme is geared towards producing innovative, creative and flexible nurses who will cope with dynamic changes in the profession, technology and socioeconomic needs so as to be able to render comprehensive, quality and cots effective nursing care that meets the health needs of Tanzanians in all settings.

8.2.6.1 Entry Requirements

(i) Candidates must have completed "O" Level education with two credits in Biology and Chemistry. Pass in Physics.

Also Pass in Mathematics and English will be of added advantage to the candidates.

(ii) Candidates must have completed Secondary School education within 3 years from the year of application.

8.2.6.2 Diploma in Nursing (DN) Programme Courses

Code	Course Name	Lectures		Practical/Seminars		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6 Credits							
GS100	Basic Sciences	120	12.0	90	9.0	210	21.0
FN 100	Fundamentals of Nursing	120	12.0	156	15.6	276	27.6
NE 100	Professionalism and Nursing Ethics	30	3.0	60	6.0	90	9.0
SEMESTER 2: 57.6 Credits							
PN 100	Pharmacology in Nursing	23	2.3	45	4.5	68	6.8
SM 100	Medical surgical	185	18.5	323	32.3	503	50.8
SEMESTER 3: 57.6 Credits							
MW300	Midwifery and Neonatal	90	9.0	486	48.6	576	57.6
SEMESTER 4:57.6 Credits							
CH200	Child Health	45	4.5	96	9.6	141	14.1
MH200	Mental Health	75	7.5	360	36.0	435	43.5
SEMESTER 5: 57.6 Credits							
CR300	Community Health Nursing	90	9.0	265	26.5	355	35.5

RM300	Research Methodology	30	3.0	191	19.1	221	22.1
SEMESTER 6: 57.6 Credits							
LM 300	Leadership & Managements	90	9.0	486	48.6	576	57.6

8.3 ADVANCED DIPLOMA PROGRAMMES

8.3.1 Advanced Diploma in Nursing Education

This is a four-semester Advance Diploma in Nursing Education (ADNE) Programme. The programme intends to produce nurse teachers who will enhance the delivery of quality health education and health care in the country.

8.3.1.1 Entry Requirements

Direct Entry: N/A

Equivalent Qualifications
Registered Nurse with two years experience, who has passed the matriculation examination and must be a holder of 'O' level Certificate with credit/pass in Chemistry, Biology and English.

8.3.1.2 Advanced Diploma in Nursing Education (ADNE) Programme Courses

Code	Course Name	Lectures		Practical/ Field Seminar		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6 Credits							
PN 100	Advanced Principles of Nursing	120	12.0	225	22.5	345	34.5
RN 100	Nursing Research	111	11.1	0	0.0	111	11.1
DS 100	Development Studies	120	12.0	0	0.0	120	12.0
SEMESTER 2: 57.6 Credits							
CH 100	Community Health	130	13.0	180	18.0	310	31.0
EM 100	Health Educational Media and Technology	130	13.0	0	0.0	130	13.0
RN 100	Field work research	0	0.0	136	13.6	136	13.6
SEMESTER 3: 57.6 Credits							
EP 200	Applied Educational psychology	210	21.0	0	0.0	210	21.0

LM 200	Leadership and Managements	150	15.0	0	0.0	150	15.0
CD 200	Curriculum Development	216	21.6	0	0.0	216	21.6
SEMESTER 4: 57.6Credits							
TP 200	Measurements and Teaching Practice	156	15.6	420	42.0	576	57.6

8.3.2 Advanced Diploma in Dermatovenereology Programme

This is a four Semester Advanced Diploma in Dermatovenereology (ADDV) Programme. Students are trained to diagnose and competently manage most dermatological conditions, Leprosy, HIV/AIDS and other Sexually Transmitted diseases (STDs) in the context of Primary Health Care (PHC). The programme also intends to impart knowledge on how to plan and carry out appropriate measures for prevention of Skin diseases and STDs. Students are also trained to conduct operational research of both clinical and epidemiological nature and apply the findings in the improvement of health services in the community.

8.3.2.1 Entry Requirements

Direct Entry: N/A

Equivalent Qualification

Should have successfully completed any one of the following courses with an overall good performance grade(s)

(a) Assistant Medical Officer (AMO) in Tanzania;

In Other countries

(a) Medical Assistant
(b) Clinical Officer
(c) Nurse Clinician
(d) Family Nurse Practitioner;

Or an equivalent level, AND must possess 'O' level secondary school certificate with passes in Physics, Chemistry and Biology.

8.3.2.2 Advanced Diploma in Dermatovenereology (ADDV) Programme Courses

Code	Course Name	Lectures		Practical's/ Seminar/Field		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6 Credits							
DV100	Fundamentals of Dermatology	120	12.0	225	22.5	345	34.5
ST 100	Sexually Transmitted Diseases	30	3.0	45	4.5	75	7.5

LP 100	Leprosy Epidemiology and Management	30	3.0	51	5.1	81	8.1
DP 100	Pharmacology and Therapeutics	30	3.0	45	4.5	75	7.5
SEMESTER 2: 57.6 Credits							
DV100	Fundamentals of Dermatology	60	6.0	150	15.0	210	21.0
ST 100	Sexually Transmitted Diseases	60	6.0	141	14.1	201	20.1
DP 100	Pharmacology and Therapeutics	15	1.5	30	3.0	45	4.5
DH100	Public Health Dermatology	30	3.0	90	9.0	120	12.0
SEMESTER 3: 57.6 Credits							
DV200	Applied Dermatology	60	6.0	176	17.6	236	23.6
ST 200	Sexually Transmitted diseases	30	3.0	115	11.5	145	14.5
HS 200	Health system research and management	50	5.0	145	14.5	195	19.5
SEMESTER 4: 57.6 Credits							
DV200	Applied Dermatology	45	4.5	180	18.0	225	22.5
ST 200	Sexually Transmitted diseases	40	4.0	176	17.6	216	21.6
LR 200	Leprosy Rehabilitation	30	3.0	105	10.5	135	13.5

8.3.3 Advanced Diploma in Medical Laboratory Sciences Programme

This is a competency-based four-semester Advanced Diploma in Medical Laboratory Sciences (ADMLS) Programme. It intends to train health personnel capable of managing medical laboratory and diagnostic services focusing on preventive curative and rehabilitative health care. Students are also trained to carry out research activities relevant to provision of quality health in laboratory services.

Direct Entry: N/A

Equivalent Qualifications
Medical Laboratory technicians who hold a good Diploma in Medical Laboratory Sciences or its equivalent with two years working experience.

Must possess 'O' level Secondary School Certificate with passes in Physics, Chemistry and Biology.

8.3.3.1 Advanced Diploma in Medical Laboratory Sciences (ADMLS) Courses

8.3.3.1.1 Clinical Chemistry Programme courses

Code	Course Name	Lectures		Practical/Seminar		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6 Credits							
FS 100	Fundamental Sciences	410	41.0	166	16.6	**576**	**57.6**
SEMESTER 2: 57.6Credits							
CY 100	Clinical Chemistry	75	7.5	491	49.1	**576**	**57.6**
SEMESTER 3: 57.6 Credits							
CY 200	Clinical Chemistry	114	11.4	462	46.2	**576**	**57.6**
SEMESTER 4: 57.6 Credits							
CY 201	Clinical Chemistry	109	10.9	467	46.7	**576**	**57.6**

8.3.3.1.2 Hematology and Blood Transfusion Programme Courses

Code	Course Name	Lectures		Practical/Seminars		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6 Credits							
FS 100	Fundamental Sciences	410	41.0	166	16.6	576	57.6
SEMESTER 2: 57.6 Credits							
HY 100	Haematology and Blood Transfusion	360	36.0	216	21.6	576	57.6
SEMESTER 3: 57.6 Credits							
HY 200	Hematology and Blood transfusion	376	37.6	200	20.0	576	57.6
SEMESTER 4: 57.6Credits							
HY 201	Hematology and Blood transfusion	284	28.4	292	29.2	576	57.6

8.3.3.1.3 Histotechnology Programme courses

Code	Course Name	Lectures		Practical/seminars		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6**Credits**							
FS 100	Fundamental Sciences	410	41.0	166	16.6	576	57.6
SEMESTER 2: 57.6**Credits**							
HP 100	Histopathology/morbid anatomy	120	12.0	456	45.6	576	57.6
SEMESTER 3: 57.6 **Credits**							
HP 200	Histopathology/morbid anatomy	139	13.9	437	43.7	576	57.6
SEMESTER 4: 57.6 **Credits**							
HP 201	Histopathology/morbid anatomy	109	10.9	467	46.7	576	57.6

8.3.3.1.4 Microbiology and ImmunologyProgramme courses

Code	Course Name	Lectures		Practical		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6 **credits**							
FS 100	Fundamental Sciences	410	41.0	166	16.6	576	57.6
SEMESTER 2: 57.6 **credits**							
MM 100	Microbiology/Immunology	139	13.9	437	43.7	576	57.6
SEMESTER 3: 57.6 **credits**							
MM 200	Microbiology/Immunology	131	13.1	445	44.5	576	57.6
SEMESTER 4: 57.6**credits**							
MM 201	Microbiology/Immunology	100	10.0	476	47.6	576	57.6

8.3.3.1.5 Parasitology and Medical Entomology Programme Courses.

Code	Name	Lectures		Practical		Total	
		Hours	Credits	Hours	Credits	Hours	Credits
SEMESTER 1: 57.6**credits**							
FS 100	Fundamental Sciences	410	41.0	166	16.6	576	57.6
SEMESTER 2: 57.6**credits**							
PM 100	Parasitology/Entomology	114	11.4	462	46.2	576	57.6

SEMESTER 3: 57.6**Credits**							
PM 200	Parasitology/Entomology	131	13.1	445	44.5	576	57.6
SEMESTER 4: 57.6 **Credits**							
PM 201	Parasitology/Entomology	109	10.9	467	46.7	576	57.6

8.4 EXAMINATION REGULATIONS FOR DIPLOMA AND ADVANCED DIPLOMA

(i) General University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in chapter one.

(ii) The academic year shall be the basic academic audit unit.

(iii) Registration shall be done once at the beginning of each semester.

(iv) All modules offered during the semester shall be assessed within that semester, at the end of each module/modular course or rotation and the external examiners or moderators shall be invited at the end of semester or audit year.

(v) For every module, modular course or rotation there shall be at least two Continuous Assessment Tests(CAT) and regular assessment of competencies, which shall constitute the Formative Assessment (FA). The end of module/modular courseor rotation examination shall constitute the Summative Assessment (SA). The FA shall constitute 50% of the final assessment grade.

(vi) A candidate who for compelling reasons does not appear for any regular examination, wholly or partly shall be allowed to sit for examination as first sitting when next offered on the recommendation of the Institute Board and approval by the Senate.

(vii) A candidate who fails in courses/modules shall be allowed to sit for first supplementary in the failed modules during long vacation if he/she obtained an overall GPA of 1.6 or more.

(viii) A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.

(ix) A candidate who obtains an overall GPA of less than 1.6 at the end of audit year shall be discontinued from studies.

(x) A candidate who fails three or more courses in any semester or in an audit year during semesters one (1) to two (2), shall be discontinued from studies regardless of GPA. To pass a course a candidate hasto pass all modules in that course.

(xi) A candidate who fails the supplementary examination with an overall GPA of less than 1.8 shall be discontinued from studies.

(xii) A candidate who fails the first supplementary shall be allowed to proceed to the next year and sit for a second supplementary in the failed modules when next offered provided he/she obtains an overall GPA of 1.8 or higher.

(xiii) A candidate, who fails the second supplementary examination in semesters 1 & 2 for advanced diploma programmes or Semeserts 1 to 4 for diploma programmes, shall be discontinued from studies, except in special circumstances, if recommended by the Institute Board and Senate

Undergraduate Committee and approved by the University Senate. A candidate who fails the second supplementary examination in semesters 3 & 4 for advanced diploma or Semesters 5 and 6 for diploma programmes shall be allowed to supplement the failed courses at the end of semesters four or six, respectively, provided the maximum tenure of six or eight semesters is not exceeded

(xiv) The highest grade a candidate can obtain after a supplementary is a "C".

(xv) A candidate who scores 50% or higher in a clinical/practical module/modular course or rotation examined shall be declared to have passed if he/she also passed the practical part of that examination which consists of 40% practical FA and 60% of SA.

(xvi) A candidate who obtains a C grade or higher in all modules/modular courses or courses examined in an audit year shall be declared to have passed the examination and will be allowed to proceed to the next year of study.

(xvii) No candidate shall be allowed to sit for a third supplementary examination except in special circumstances as may be determined by the Senate.

(xviii) The maximum allowed period for registration shall be 8 semesters for Diploma programmes and 6 semesters for advanced diploma.

(xix) A candidate shall be awarded a Diploma or Advanced Diploma after passing all modules in the programme and passing the Fieldwork and/or research Project Report as applicable.

8.5 The Grading system

The grading system shall be as follows:

Grade	**A**	**B+**	**B**	**C**	**D**	**E**
Percent	100-75	74-70	69-60	59-50	49-45	44-0
GP	5.0-4.4	4.3-3.5	3.4-2.7	2.6-2.0	1.9-1.5	1.4-0.0

8.6 REGULATIONS OF FIELD WORK/RESEARCH

As partial fulfillment for the award of Diploma or Advanced Diploma the student may be required to perform fieldwork attachment in an approved station, write and present a report and/or pass a research project report. A student may also be required to pass a portfolio and a fully signed checklist.

In programmes where any of the above is applicable, failure in presenting and passing a reportshall require a student to repeat a field rotation or research project on his/her own costs.

(i) The fieldwork or research report shall consist of activities performed during fieldwork attachment or during the time allocated to the research project.

(ii) Two copies of typed research and fieldwork report each separately where applicable, shall be submitted to the school authority not exceeding two weeks after the field work attachment, and two weeks before the commencement of the end relevant module examination.

(iii) Candidates who do not submit their reports at this period without a valid reason will be required to supplement the semester.

(iv) Candidates will also submit dull filled student progress portfolio, which shall be used during the end of respective modular examinations at oral/practical examinations.

(v) The pass mark for fieldwork and research is 50% respectively

(vi) Every task in the fieldwork (field work report, portfolio, research report and fully signed checklist) shall be done individually.

CHAPTER NINE

9.1 FEE STRUCTURE

All students shall promptly pay their dues to the university and sign the Higher Education Student Loans Board Pay Slips immediately. Students who fail to do so shall be barred from registering and sitting for examinations.

9.1.1 FEE STRUCTURE FOR UNDERGRADUATE DEGREE PROGRAMMES

Clusters	Tuition Fee per Year (Tanzanian students) (TZS)	Tuition Fee per Year (Foreign students) (US$)	Discipline/Programmes Cluster
1	1,400,000/=	3,612	Bachelor of Science in Nursing, Bachelor of Science in Midwifery and Bachelor of Science in Nursing Management.
2	1,500,000/=	4,408	Bachelor of Environmental Health Sciences, Bachelor of Medical Laboratory Sciences in: - Clinical Chemistry, Haematology and Blood Transfusion, Parasitology and Medical Entomology, Histotechnology and Bachelor of Science in Radiation Therapy Technology.
3	1,600,000/=	4,408	Bachelor of Pharmacy.
4	1,700,000/=	5,672	Doctor of Dental Surgery, BMLS inMicrobiology and Immunology.
5	1,800,000/=	5,672	Doctor of Medicine.

Note:
Students are required to have sufficient funds to cater for Special Programme Requirements. Such requirements may be in the form of boots, overalls, scientific calculators, drawing board, gloves, masks etc. as well as funds for practical training depending on the programme. Applicants are urged to consult the University prospectus for specific requirements by their Schools or consult the Schools that they intend to apply for more details, including indicative cost implication.

9.1.1.1 Direct University Costs (Payable to the University)

Item	(Tanzanian students) TZS	(Foreign students)
Tuition Fee	Arranged in Clusters in the table above	Arranged in Clusters in the table above
*Application Fee (Once)	(5,000.00)	10 US$
Registration	5,000.00	10US$
Annual quality assurance fee	20,000	20$
Examination Fee	12,000.00	12,000.00 TZS
Graduation Fee (Once)	(5,000.00)	(5,000.00) TZS
Identity Card	1,000.00	1,000.00 TZS

Note: All students will have to join or show evidence that they are members of National Health Insurance Fund or other similar fund at the time of registration

9.1.1.2 Direct Student Costs (Payable Directly To Students)

Item	TZS
Caution Money	2,000.00
Student Union fees	10,000.00
Book and Stationery Allowance	200,000
Meal Allowance and accommodation	1,890,000

9.1.1.3 Research Project Cost for Bachelor of Medical Laboratory Sciences Degree Course (BMLS) and BSc Radiation Therapy Technology (BSc RTT).

S/N	AREA OF SPECIALIZATION	COST
1	Clinical Chemistry	400,000.00
2	Haematology an Blood transfusion	400,000.00
3	Histotechnology	400,000.00
4	Microbiology and Immunology	400,000.00
5	Parasitology and Medical Entomology	400,000.00
6	BSc Radiation Therapy Technology	400,000.00
7	BMLS General	400,000.00

9.2 STUDENTS' SPECIAL PROGRAMME REQUIREMENTS

9.2.1 SCHOOL OF MEDICINE

9.2.1.1 MD PROGRAMME

S/N	MD 1	MD 2	MD 3	MD 4	MD 5
1	Gloves	Sphygmomanometer	Diagnostic Kit	Theatre boots/crocs	Delivery Kits
2	Apron	Patella Hammer	Clinical Coat	Theatre gowns	Theatre boots
3	Laboratory Coat	Turning Fork	Neck tie/Scarf	Aprons	Theatre gowns
4	Neck ties/Scarf	Pen torch and batteries	Delivery Kits	Eye protection gear/goggles	Aprons
5	Name Tag	Stethoscope		Masks and Caps	Eye protection gear/goggles
6	Dissection kit	Clinical coat		Sphygmomanometer	Masks and Caps
7	Goggles			Clinical Coats	Clinical Coat
8	Calculator	Neck ties/scarf		Pen-torch and batteries	Pen-torch and batteries
9				Neck ties/scarves	

9.2.1.1.2 OTHER PROGRAMMES

	BMLS	BSc RTT
1	Masks and Caps/Hats	Masks and Caps/Hats
2	Jig and opposition devices	Jig and opposition devices
3	Training Model	Training Model
4	Gloves (Surgical)	Gloves (Surgical)
5	Name tag	Name tag
6	Neck ties/Scarf	Neck ties/Scarf
7	Sphygmomanometer	Sphygmomanometer
8	Stethoscope	Stethoscope
9	Protective goggles	Protective goggles
10	Lab Coat	Dosimeter
11	Slide holder	

9.2.2 SCHOOL OF DENTISTRY

9.2.2.1 DDS PROGRAMME

S/N	DDS 1	DDS 2	DDS 3	DDS 4	DDS 5
1	Dissection Kits	Sphygmomanometer	Diagnostic/Intra Oral examination Kits	Theatre Boots, Masks and Caps	Theatre Boots, Masks and Caps
2	Gloves	Face mask	Phantom curving instruments	Theatre gowns	Theatre gowns
3	Calculator	Tape measure	Gloves	Theatre shirts	Theatre shirts
4	Laboratory coats	Pen torch and batteries	Scaling and root planning instruments	Masks and caps	Masks and caps
5	Goggles	Stethoscope	Endodontic sets	High speed (red) hand piece	High speed (red) hand piece
6	Name Tags	Neck ties/scarf	High speed (red) hand piece	Low speed (blue) hand pieces	Low speed (blue) hand pieces.
7	Aprons Face masks		Low speed (blue) hand piece	Calculator	Calculator
8	Neckties/scarf		Theatre boots gowns, shirts, trousers	Two clinical coats	Two clinical coats
9			Eye protective gear	Aprons	Aprons
10			Sphygmomanometer	Tape measure	Tape measure

11			Clinical Coats	Diamond burs	Diamond burs
12			Pen- torch and batteries	Carbide burs	Carbide burs
13			Diamond burs	Stainless steel burs	Stainless steel burs
14			Carbide burs	Neckties/scarves	Neckties/scarves
15			Stainless steel burs		
16			Neckties/scarves		

9.2.3 SCHOOL OF PHARMACY

9.2.3.1 B. PHARM PROGRAMME

S/N	B. PHARM 1	B. PHARM 2	B. PHARM 3	B. PHARM 4
1	Stopwatch	Manila sheets	Blotting paper	Manila Sheets
2	Safety pipette	Pair of scissors	Thick Lab gloves pairs	Magnifying glass
3	Spatula (metallic & plastic, various sizes)	Protective goggles 1pk	Apron	Pair of scissors
4	Laboratory wiper	Field knife	Good manufacturing practice gowns	Blotting paper
5	Programmable calculator	Laboratory wiper	Gasmask	Laboratory wiper
6	Laboratory coats	Face shield	Safety pipette filer	Flash disk
7	Neckties/Scarves	Tablet counting tray	Examination gloves (box)	Laboratory coats
8	Name tags	Laboratory coats	Laboratory wiper	Neckties/Scarves
9		Rain coats	Laboratory coat	
10		Neck ties/Scarves	Neckties/Scarves	
11		Gum boots		

9.2.4 SCHOOL OF NURSING

9.2.4.1 BSc N PROGRAMME

S/N	BSc N 1	BSc N 2	BSc N 3	BSc N 4
1	Gloves	Neckties/scarves	Gloves	Gloves
2	Sphygmomanometer	Calculator	Masks and caps	Pediatric Sphygmomanometer
3	Diagnostics Kit	Name tag	Theatre gowns	Flash disk
4	Laboratory coats		Theatre trouser and shirts	Alarm whistle
5	Tape measure		Theatre boots	Pen- torch batteries
6	Pair of scissors		Delivery packs	Neckties/Scarves
7	Thermometer		Fetoscope	Uniforms
8	Shoes, Pen torch		Shoes	

	and batteries			
9	Stethoscope		Uniform	
10	Name tag		Pen-torch and batteries	
11	Uniform			
12	Neck ties/scarves		Neck ties/scarves	

9.2.5 SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

9.2.5.1 BSc EHS PROGRAMME

S/N	BScEHS 1	BScEHS 2	BScEHS 3
1	Industrial boots	Drawing Boards	Boots (meat inspection)
2	Industrial gas mask	Measuring tapes	Head gear
3	Protective goggles	Scale ruler	Aprons
4	White coat	Neck ties/scarf	Knives
5	Calculator		Knife sharper
6	Clutch pencil		Belts
7	Geometry set		White coats
8	Neckties/Scarves		Neck ties/scarf
9	Uniforms		

NOTE:*All students are required to own, andutilize these items in their rotations and examination. Failure to abide to these may bar a student from the clinic/ward/examinations.*

CHAPTER TEN: LISTS OF ACADEMIC STAFF AT MUHAS

10.1 SCHOOL OF MEDICINE

S/N	Name	Sex	Academic rank	Qualifications
Department of Anaesthesiology				
1.	E. R. Lugazia	M	Lecturer and Head	MD, MMed (UDSM), FCTA (India) MBA (Mzumbe)
3.	F. W. Mbanga	M	Senior Lecturer	MD, MMed (UDSM)
4.	K. J. Khalid	F	Lecturer	MD (Marmara), MMed (MUHAS)
Department of Anatomy and Histology				
5.	D. Russa	M	Senior Lecturer and Head	BVM (SUA), MSc (Utrecht), PhD (Iwate, Japan)
6.	D. N. Ngassapa	M	Professor	DDS (Romania), MSc (Nijmegen), DSc (Kuopio)
7.	E. Suluba	M	Assistant Lecturer	MD (UDSM), MSc (MUHAS)
8.	G. Towo	M	Assistant Lecturer	MD (UDSM), MSc (MUHAS)
9.	G. J. Kavishe	M	Assistant Lecturer	MD, MSc (MUHAS)
Department of Biochemistry				
10.	F. Dida	M	Lecturer and Head	MD (UDSM), PhD (Mie, Japan)
11.	T. B. Nyambo	M	Senior Lecturer	MD (UDSM), MScMol Biol (Brussels)
12.	E. V. Mbugi	M	Senior Lecturer	BVM, MVM (SUA), PhD (Wageningen, NL)
13.	T. F. A. Mselle	M	Lecturer	MD (UDSM), MSc (Surrey), PhD (Dartmouth)
14.	C. K. Pallangyo	M	Assistant Lecturer	MD (MUHAS), PhD (Germany)
15.	F. H. Urio	F	Assistant Lecturer	BSc (Namibia), MSc Mol Biol (Linkoping)
16.	J. J. Hayola	M	Tutoria Assistant	BSc (SUA)
17.	K. Ndaki	M	Tutoria Assistant	BSc (UDSM)
Department of Clinical Pharmacology				
18.	S. F. Mugusi	F	Lecturer and Head	MBBS (IMTU), PhD (Karolinska)
19.	J. G. Sayi	F	Associate Professor	MD (UDSM), PhD (Ireland)
20.	G. H. Rimoy	M	Asociate Professor	MD (UDSM), PhD (Nottingham)

21.	P. G. Sasi	M	Lecturer	MD, MMed (UDSM), PhD (MUHAS)
22.	T. Mwakyandile	F	Assistant Lecturer	MD, MSc (MUHAS),
23.	R. H. Mkungwe	M	Assistant Lecturer	MD, MSc (MUHAS),
24.	M. A. Khalfan	M	Tutorial Assistant	MD (MUHAS)
Department of Emergence Medicine				
25.	H. R. Sawe	M	Lecturer and Head	MD, MMed (MUHAS), MBA (Mzumbe)
26.	V. G. Mwafongo	M	Associate Professor	MD, MMed (UDSM)
27.	S. S. Kilindimo	M	Lecturer	MD (UDSM), MMed (Stellenbosch, SA)
Department of Haematology and Blood Transfusion				
28.	M. A. Lyimo	F	Lecturer and Head	MD, MMed (UDSM), PhD (Dartmouth)
29.	P. M. Magesa	M	Senior Lecturer	MD, MMed (UDSM)
30.	J. Makani	F	Associate Proffessor	MD (UDSM), MRCP (UK),PhD (Open University,UK)
31.	A. Makubi	M	Senior Lecturer	MD, MMed (UDSM), MSc (MUHAS)
32.	Ahlam M. Nasser	F	Tuotorial Assistant	MD (MUHAS)
33	Y. S. Mtali	M	Tutorial Assistant	BSc HLS (KCMCo)
Department of Pathology				
34.	E. A. M. Vuhahula	F	Senior Lecturer and Head	DDS (UDSM), Cert.Pathology Tech, PhD (Hiroshima), FCPath (ECSA)
35.	E. E. Kaaya	M	Professor	MD, MSc (UDSM), PhD (Karolinska), FCP (SA), FCPath (ECSA)
36.	J. N. Kitinya	M	Professor	MBChB (Makerere), MMed (UDSM), DMed Sci (Kyushu), FCPath (ECSA)
37.	A. R. Mwakigonja	M	Senior Lecturer	MD, MMed (UDSM), PhD (Karolinska), FCPath (ECSA)
38.	E. M. Mgaya	M	Senior Lecturer	MD, MMed, MSc (UDSM), FCPath (ECSA)
39.	H. A. Mwakyoma	M	Senior Lecturer	MD, MSc, MMed (UDSM)
40.	P. M. Ng'walali	M	Lecturer	MD (UDSM), PhD (Kumamoto)
41.	E. E. Kabyemela	M	Senior Lecturer	MD, MSc (UDSM), PhD (Tumaini)
42	A. Ngaiza	F	Tutorial Assistant	MD (MUHAS)
43.	P. T. Thonya	M	Tutorial Assistant	BMLS (MUHAS)
44.	S. Haule	M	Tutorial Assistant	BMLS (MUHAS)

Department of Internal Medicine				
45.	P. Chillo	F	Lecturer and Head	MD, MMed (UDSM), PhD (Bergen)
46.	K. Pallangyo	M	Professor	MD, MMed (UDSM), Cert. Clin. Micro/Immuno. (Nagasaki)
47.	F. Mugusi	M	Professor	MD, MMed (UDSM)
48.	W. B. P. Matuja	M	Professor	MB ChB (Makerere), MRC (Psych) (UK)
49	**M. Bakari	M	Associate Professor	MD, MMed (UDSM), PhD (Karolinska)
50.	E. E. Maro	M	Associate Professor	MD, MMed (UDSM)
51.	J. K. Lutale	F	Associate Professor	MD MMed (UDSM), MSc (Newcastle) PhD (Bergen)
52.	J. M. Lwakatare	M	Senior Lecturer	MB ChB (Makerere), MRCP (UK)
53.	P. Munseri	F	Senior Lecturer	MD, MMed (UDSM), MPH (Dartmouth), PhD (Karolinska)
54.	*T. Nagu	F	Lecturer	MD (UDSM), MMed (MUHAS)
55.	*G. Shayo	F	Lecturer	MD (UDSM), MMed (MUHAS)
56.	E. Komba	M	Lecturer	MD (UDSM), MMed (MUHAS)
57.	*P. Ruggajo	M	Lecturer	MD (UDSM), MMed (MUHAS), MSc Cardiology (MUHAS)
58	R. Mutagaywa	M	Lecturer	MD (UDSM), MMed (MUHAS), MSc Cardiology (MUHAS)
Department of Microbiology and Immunology				
59.	M.V. Majigo	M	Lecturer and Head	MD (UDSM), MMed (UDSM)
60.	M. I. Matee	M	Professor	DDS, MSc, PhD (UDSM)
61.	F. S. Mhalu	M	Professor	MB ChB (EA), Dipl in Bact (London), Cert. in Imm (Ibadan), FRC Path (UK), DMed (Karolinska)
62.	S. Y. Maselle	M	Professor	MB ChB (EA), Bact. (London), Cert. in Immunology (Ibadan), MRC Path (UK), DMed Sc (Bergen)
63.	E. F. Lyamuya	M	Professor	MD, MMed (UDSM), PhD (Karolinska)
64.	S. Aboud	M	Associate Professor	MD, MPhil (Bergen), MMed (UDSM), PhD (Karolinska)
65.	*S. J. Moyo	F	Senior Lecturer	MD (UDSM), MMed (MUHAS)
66.	*A. Joachim	F	Lecturer	MD (UDSM), MMed (MUHAS)
67.	J. Manyahi	M	Lecturer	MD (UDSM), MMed (MUHAS)
68.	F. M. Mbulinyingi	M	Lecturer	MD, MMed (MUHAS)
69.	S. E. Rugarabamu	F	Assistant Lecturer	DDS, MSc - Micro (MUHAS)
70.	S. S. Masoud	M	Assistant Lecturer	MD (Tumaini), MSc (Nottingham)

71.	L. B. Nkinda	F	Tutorial Assistant	BSc HLS (KCMCo)
72.	*U. Kibwana	F	Tutorial Assistant	BSc HLS (KCMCo)
Department of Obstetrics and Gynaecology				
72.	P. T. Wangwe	M	Lecturer and Head	MBChB (Makerere), MMed (UDSM)
73.	H. N. Mgaya	M	Professor	MB ChB (EA), MMed (UDSM)
74.	S. N. Massawe	F	Associate Professor	MD, MMed (UDSM), Med (Manchester), PhD (Uppsala)
75.	P. S. Muganyizi	M	Associate Professor	MD, MMed (UDSM),PhD (Uppsala)
76.	A. B. Pembe	M	Associate Professor	MD, MMed (UDSM), PhD (Uppsala)
77.	C. D. S. Kilewo	M	Associate Professor	MD (Romania), MMed (UDSM), PhD (Karolinska)
78.	K.E.W. Ngwale	M	Senior Lecturer	MD, MMed (UDSM)
79.	F. August	M	Lecturer	MD, MMed (MUHAS)
80.	F. Mohamed	F	Lecturer	MD, MMed (MUHAS)
81.	B. Balandya	F	Lecturer	MD, MMed (MUHAS)
82.	M. Mgonja	F	Lecturer	MD, MMed (MUHAS), PhD (Edinburgh)
83	F. Alwy	F	Lecturer	MD, MMed (MUHAS)
84	A. Said	M	Lecturer	MD, MMed (MUHAS)
85	A.I. Kikula	M	Tutorial assistant	MD (MUHAS)
Department of Ophthalmology				
86.	C. Mhina		Lecturer and Head	MD, MMed (MUHAS)
87.	N. N. Kinabo	M	Associate Professor	MBBS (Agral), MMed (UDSM), DO (Bergen)
88.	M. M. Mafwiri	F	Senior Lecturer	MD, MMed (UDSM), MSc (LSTM)
89.	P. H. Padhan	M	Lecturer	MB BS (India), MMed (UDSM)
90.	A. J. Sanyiwa	F	Lecturer	MD, MMed (UDSM), MPH (MUHAS), Dip. GH (Finland)
91.	J. S. Kisimbi	M	Lecturer	MD, MMed (MUHAS)
92.	N. S. Mosenene	F	Lecturer	MD (Havana), MMed (MUHAS)
Department of Orthopaedics and Traumatology				
93.	B. Haonga	M	Lecturer and Head	MD (Warsaw), MMed (MUHAS)
94.	C. N. Mcharo	M	Senior Lecturer	MD, MMed, MSc (UDSM)
95.	J. L. Kahamba	M	Associate Professor	MD (Romania), MMed, MSc (UDSM)
96	R. I. Mhina	M	Senior Lecturer	MD, MMed, MSc (UDSM)
95.	K. S. Nungu	M	Lecturer	MD (Havana), M Med, Sc (Uppsalla)
96.	A. Assey	M	Lecturer	MD, MMed (MUHAS)
97.	W. O. Kiloloma	M	Lecturer	MD, MMed (UDSM), MSc (MUHAS)

98.	A. B. Kubhoja	M	Lecturer	MD, MMed (MUHAS)
99.	N. Rutabasigwa	M	Lecturer	MD, MMed (MUHAS)
100.	J. G. Ngeregeza	M	Lecturer	MD, MMed (MUHAS)
101	L.M Lemery	M	Lecturer	MD, MMed (MUHAS), MSc (MUHAS)
102	I. Mkwazu	M	Lecturer	MD, MMed (MUHAS)
Department of Otorhinolaryngology				
103.	E. Massawe	F	Lecturer and Head	MD, MMed (MUHAS)
104	N. H. Moshi	M	Professor	MD, MMed, MSc (UDSM)
105.	D. E. Ntunaguzi	M	Lecturer	MD, MMed (MUHAS)
106.	K. B. Maponda	M	Lecturer	MD (Tumaini), MMed (MUHAS)
107.	A. Aloyce	F	Tutorial Assistant	MD (MUHAS)
108.	A. Nkya	M	Tutorial Assistant	MD (MUHAS)
Department of Paediatrics and Child Health				
109.	K. Manji	M	Professor	MBBS (India), MMed (UDSM), MPH (Harvard)
110.	A. W. Massawe	M	Senior Lecturer	MD, MMed (UDSM)
112.	T. Kazimoto	F	Senior Lecturer	MD, MMed (UDSM)
113.	E. M. Munubhi	M	Senior Lecturer	MD, MMed (UDSM)
114.	R. Kisenge	M	Lecturer	MD, MMed (UDSM), PhD (Japan)
115.	F. Fredrick	M	Lecturer	MD, (UDSM), MMed (MUHAS)
116.	L. Chirande	F	Lecturer	MD, MMed (MUHAS)
117.	E. Kija	M	Lecturer	MD, MMed (MUHAS)
118.	N. S. Masoud	F	Lecturer	MD (UDSM), MMed (MUHAS)
119.	E. N. Assenga	F	Lecturer	MD, MMed (MUHAS)
120.	R. S. Joseph	F	Lecturer	MD, MMed (MUHAS)
121.	D. Nkya	M	Lecturer	MD, MMed (MUHAS)
122.	E. G. Furumbe	F	Tutorial Asistant	MD (Tumaini)
123.	E. G. Furumbe	F	Tutorial Asistant	MD (Tumaini)
Department of Physiology				
124.	O. Chillo	M	Lecturer and Head	MD (MUHAS), PhD (Munich)
125.	B. L. Mtinangi	M	Senior Lecturer	MD (UDSM), MSc, PhD (Leeds)
126.	**M. M. A. Njelekela	F	Senior Lecturer	MD (UDSM), PhD (Kyoto)
127.	F. Mashili	M	Lecturer	MD (UDSM), PhD (Karolinska)
128.	E. Balandya	M	Lecturer	MD (UDSM), PhD (Dartmouth)
129.	A. M. Tungu	M	Lecturer	MD (MUHAS), PhD (Bergen)
130.	*D. Ngarashi	M	Assistant Lecturer	MD (MUHAS), MSc (MUHAS)
131.	M. Magembe	F	Assistant Lecturer	MD, MSc (King's College)

Department of Psychiatryand Mental Health				
132.	S. Likindikoki	M	Lecturer and Head	MD (UDSM), MMed (MUHAS)
133.	G. P. Kilonzo	M	Professor	MB ChB (Makerere), MD (Canada), BA (Macalester), MMed (UDSM), FRCP (Canada)
133.	S. F. Kaaya	F	Professor	MD (UDSM), Dip. Psych, MSc. Med., (Manchester) PhD (Maastricht)
134.	D. P. Mushi	F	Lecturer	MD (UDSM), MMed (MUHAS)
135.	E. Steven	F	Lecturer	MD, MMed (MUHAS)
136.	S. M. Kazia	F	Lecturer	MD (IMTU), MMed (MUHAS)
137.	F. C. Ngakongwa	F	Lecturer	MD (UDSM), MMed (Stellnbsoch), FCPsych (CMSA)
138.	E. S. Mzilangwe	F	Lecturer	MD, MMed (MUHAS)
139.	I. S. Lema	M	Assistant Lecturer	BSc (TU-IUCo), MSc (MUHAS)
140.	M. N. Kilonzo	M	Assistant Lecturer	BSc (Malaysia), MSc Psychol (MUHAS)
141.	L. J. Kajula	F	Assistant Lecturer	BA (India), MPhil (Bergen)
142.	T. Njau	F	Assistant Lecturer	BSc Couns. Psych (Iringa), MSc Clin Psychol (MUHAS)
Department of Radiology and Imaging				
143.	L. Fundikira	F	Lecturer and Head	MD (CUBA), MMed (MUHAS)
144.	T. A. Ngoma	M	Associate Professor	MD (UDSM), DMRT (UK), FFRCS (UK)
145.	R. R. Kazema	M	Senior Lecturer	MD (UDSM), MMed (Nairobi)
146.	M. Jacob	M	Lecturer	MD,MMed (MUHAS)
147.	Z. Nkrumbih	F	Lecturer	MD, MMed (MUHAS)
148.	M. Balowa	M	Lecturer	MD, MMed (MUHAS)
Department of Clinical Oncology				
149.	K. K. Y. Maunda	M	Senior Lecturer and Head	MD (UDSM), MSc (Dundee), DMRT (London)
150.	J. Luande	M	Senior Lecturer	MD (UDSM), MSc (USA)
151.	*L. Sakafu	F	Lecturer	MD, MMed (MUHAS)
152.	C. Malichewe	F	Lecturer	MD, MMed (MUHAS)
Department of Surgery				
153.	L. O. Akoko		Lecturer and Head	MD (UDSM), MMed (MUHAS)
154.	L. E. K. Lema	M	Professor	MBBS (Lagos), MMed (UDSM)
155.	C. A. Mkony	M	Professor	MD, MMed, (UDSM)

156.	M. M. Aboud	M	Associate Professor	MD, MMed (UDSM), MMed Res. (Brussels), MSc (Tumaini)
157.	C. M. A. Yongolo	M	Associate Professor	MD, MMed (UDSM), MSc (Tumaini)
158.	N. A. Mbembati	M	Associate Professor	MD, MMed (UDSM)
159.	M. D. P. M. Mchembe	M	Associate Professor	MD, MMed (UDSM)
160.	A. H. Mwanga	M	Lecturer	MD (UDSM), MMed (MUHAS)
161.	A. M. Kategile	M	Lecturer	MD (USSR), MMed (UDSM) MSc (Tumaini)
162.	O. Nyongole	M	Lecturer	MD, MMed (MUHAS), MSc (Urol, Tumaini)
163.	R. H. Khamis	M	Lecturer	MD, MMed (MUHAS)
164.	M. J. Byomuganyizi	M	Lectuer	MD (UDSM), MMed (MUHAS)
165.	J. S. Mbwambo	M	Lecturer	MD (UDSM), MMed (Tumaini)

*On study leave
**On leave of absence

10.2 SCHOOL OF DENTISTRY

S/N	Name	Sex	Academic rank	Qualifications
Department of Oral and MaxillofacialSurgery				
1.	J. R. Moshy	M	Senior Lecturer and Head	DDS (UDSM), MDS-OMFS (Nairobi)
2.	E. N. Simon	M	Senior Lecturer	DDS (UDSM), Cert. in Radiology (Amsterdam), PhD (Nijmegen)
3.	F. M. Shubi	M	Senior Lecturer	MD (Stomat), MSc, PhD (USSR)
4.	B. M. Kalyanyama	M	Senior Lecturer	DDS (UDSM), MSc, PhD (USSR)
5.	S. S. Owibingire	M	Lecturer	DDS (UDSM), MDent (MUHAS)
Department of Orthodontics, Pedodontics and Community Dentistry				
6.	F. K. Kahabuka	F	Associate Professor and Head	DDS, MSc (UDSM), PhD (Nijmegen)
7.	E. N. K. Kikwilu	M	Associate Professor	DDS, MDent (UDSM), PhD (Nijmegen)
8.	J. R. Masalu	F	Senior Lecturer	DDS (UDSM), MPH (Leeds), PhD (Bergen)
9.	E. A. Mugonzibwa	F	Lecturer	DDS (UDSM), PhD (Nijmegen), MPH (MUHAS)
10.	M. Mtaya-Mlangwa	F	Lecturer	DDS (UDSM), MPhil (Bergen), PhD (Bergen)
11.	H. S. Mbawalla	F	Lecturer	DDS (UDSM), PhD (Bergen)
12.	*F. Machibya	M	Lecturer	DDS (UDSM), DGH (Tampere), MCL Dent Orthod (Jilin)

13.	*K. K. Nyamuryekung'e	M	Assistant Lecturer	DDS (UDSM), MPhil (Bergen)
Department of Restorative Dentistry				
14.	L. C. Carneiro	F	Senior Lecturer and Head	DDS (UDSM), MSc, PhD (Pretoria)
15.	B. S. Lembariti	M	Associate Professor	DMD (Hungary), MSc (UDSM), Cert. in Periodontology (Groningen), PhD (UDSM)
16.	E. G. S. Mumghamba	M	Senior Lecturer	DDS, MDent (UDSM), PhD (Turku)
17.	G. J. Mandari	M	Senior Lecturer	DDS, MDent (UDSM)
18.	P. T. N. Sarita	M	Lecturer	DDS (UDSM), PhD (Nijmegen)
19.	I. A. Kida	F	Lecturer	DDS (UDSM), MPhil (Bergen), PhD (Bergen)
20	T. S. Ndekero	M	Lecturer	DDS (UDSM), MDent (MUHAS)
21.	L. E. Mkony	F	Lecturer	DDS (UDSM), PhD (Bergen)
22.	N. M. Makoye	M	Lecturer	DDS (UDSM), MDent (MUHAS)
23.	C. Kayombo	F	Lecturer	DDS (MUHAS), M.Dent Cons Dent & Endod (Jiamusi)

* On study leave

10.3 SCHOOL OF PHARMACY

S/N	Name	Sex	Academic rank	Qualifications
Department of Medicinal Chemistry				
1.	E. A. Kaale	M	Associate Professor and Head	BPharm (UDSM), MPharm Sc, PhD (KULeuven, Belgium), PGD-M&E (Bosch,SA)
2.	V. Manyanga	F	Lecturer	BPharm (UDSM), MPharmSc, PhD (KULeuven)
3.	J. Sempombe	M	Lecturer	BSc Edu. (UDSM), MSc Chem (UDSM), PhD (New Mexico)
4.	V. K. Mugoyela	F	Associate Professor	BPharm (UDSM), PhD (Sunderland)
5.	N. E. Masota	M	Tutorial Assistant	BPharm (MUHAS)
6.	I. J. Daniel	M	Tutorial Assistant	BPharm (MUHAS)
Department of Pharmaceutics				
7.	C. M. Nshimo	M	Associate Professor and Ag. Head	MSc. Pharmacy (Romania), MSc. Pharm. Sc. (Wales), PhD (Chicago)
8.	M. Justin-Temu	F	Professor	BPharm (UDSM), MSc, PhD (KULeuven)
9.	G. A. B. Kagashe	F	Associate Professor	BPharm (UDSM) PhD (Galway, Ireland)MSc. PSCM (Mzumbe University)

10.	*W. M. Kalala	M	Lecturer	BPharm (UDSM), Pharm Dipl. (Manchester), MSc (KULeuven)
11.	B.A. Maganda	F	Lecturer	BPharm (UDSM), MSc (Bradford) PhD (MUHAS)
12.	D. Pius	M	Assistant Lecturer	BPharm (UDSM), MSc (Ireland)
13.	*A.T. Mori	M	Assistant Lecturer	BPharm (UDSM), MA-HPM (MUHAS)
14.	M. Eulambius	M	Assistant Lecturer	BPharm (MUHAS) MPharm (MUHAS)
15.	*A. Tindamanyire	F	Tutorial Assistant	BPharm (MUHAS)
Department of Pharmaceutical Microbiology				
16.	R. Z. Sangeda	M	Lecturer and Head	BPharm (India), MSc (Jomo Kenyatta Univ.), MPharm Sc, PhD (KULeuven)
17.	K. D. Mwambete	M	Associate Professor	MSc Pharm (Havana), PhD (Madrid)
18.	D. A. S. Mloka	F	Lecturer	BSc, MSc, (London), PhD (MUHAS)
19.	F. Felix	F	Tutorial Assistant	BPharm (MUHAS)
20.	G. Birwe	M	Tutorial Assistant	BSc Microbiology (UDSM)
Department of Pharmacognosy				
21.	S. M. Maregesi	F	Senior Lecturer and Head	BSc (UDSM), Cert. Pharm Techn, MPharmSc (Ghent), PhD (Antwerp)
22.	O. D. Ngassapa	F	Associate Professor	BPharm (UDSM), PhD (Chicago)
23	R. S. Malele	M	Associate Professor	BPharm (UDSM), PhD (Bradford)
24.	D. K. B. Runyoro	F	Senior Lecturer	BPharm (UDSM) MPhil (Bradford), PhD (MUHAS)
25.	R. Mwakalukwa	M	Assistant Lecturer	BPharm, MPharm (MUHAS)
Department of Clinical Pharmacy and Pharmacology				
26.	O. M. S. Minzi	M	Associate Professor and Head	MSc Pharm (Pyatigorsk), MSc (VUB-Vrije, Brussels), PhD (UDSM)
27.	A. R. Kamuhabwa	M	Associate Professor	BPharm (UDSM), MPharm Sc, PhD (KU Leuven)
28.	E. Ngaimisi	M	Lecturer	BPharm (UDSM), PhD (Karolinska)
29.	I. Alphonce	M	Assistant Lecturer	BPharm, MSc (MUHAS)
30.	*R. Mutagonda	M	Assistant Lecturer	BPharm, MSc (MUHAS)
31.	H. J. Mlyuka	M	Tutorial Assistant	BPharm (MUHAS)
32.	Wigilya Mikomangwa	M	Tutorial Assistant	BPharm (MUHAS)

33.	M. Kilonzi	M	Tutorial Assistant	BPharm (MUHAS)

*On study leave

10.4 SCHOOL OF NURSING

S/N	Name	Sex	Academic rank	Qualifications
Department of Clinical Nursing				
1.	*D. A. Mkoka	M	Assistant Lecturer and Head	BScN (UDSM), MSc (MUHAS)
2.	L. T. Mselle	F	Lecturer	RN, RM, Dipl. Ned (Dar), ADNE, BA Sociology (UDSM), MPhil HP (Bergen), PhD (MUHAS)
3.	M.K. Iseselo	M	Assistant Lecturer	BScN (UDSM), MSc (MUHAS)
4.	J. S. Ambikile	M	Assistant Lecturer	BScN (UDSM), MSc(MUHAS)
5.	F. Ramadhani	F	Assistant Lecturer	BScN (UDSM), MSc (MUHAS)
6.	M. Ndile	M	Assistant Lecturer	BScN (UDSM), MSc (MUHAS)
7.	J. E. Shayo	F	Assistant Lecturer	BSc N (UDSM), MA (MUHAS), MA (MUHAS), MBE (PENN)
8.	*B. E. Mwilike	F	Tutorial Assistant	BSc N (MUHAS), MSc MW&WH (Makerere)
Department of Community Health Nursing				
9.	A. Outwater	F	Senior Lecturer and Head	BA (Vassar), BSN (NYU), MA (NYU), PhD (Johns Hopkins)
10.	S. Leshabari	F	Senior Lecturer	RN/M, ADNE (Dar), BA Sociology (UDSM), MPH (Boston), PhD (Bergen)
11.	C. K. Mbekenga	F	Lecturer	BScN (UDSM), MScPH (Umea), PhD (Uppsala)
12.	S. Mushy	F	Assistant Lecturer	BScN (UDSM), MScMW&WH (Makerere)
13.	A. F. Masae	F	Assistant Lecturer	BSc N (MUHAS), MSc MW&WH (Makerere)
14.	G. G. Lukumay	F	Tutorai Assistant	BSc N (MUHAS)
15.	D. L. Mwakawanga	F	Tutorial Assistant	BSc MW (MUHAS)
16.	*U. A. Mbise	M	Tutorial Assistant	BSc N (MUHAS)
Department of Nursing Management				
17	T. W. Kohi	F	Senior Lecturer and Head	RN, Dipl. NEd (Dar), BScN, MN (Dalhousie), PhD (Kwazulu-Natal)

18.	E. A. M. Tarimo	F	Senior Lecturer	BScN (UDSM), MPhil (Bergen), PhD (Karolinska)
19.	R. Heri	M	Assistant Lecturer	BScN (UDSM), MSc (SUA)
20.	B. M. Morris	M	Assistant Lecturer	BScN (MUHAS), MBE (PENN)

*** On PhD studies**

10.5 SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

S/N	Name	Sex	Academic rank	Qualifications
Department of Behavioral Sciences				
1.	M. Ezekiel	M	Lecturer and Head	BA, MA (UDSM), PhD (Oslo)
2.	M. T. Leshabari	M	Professor	BSc, MA (UDSM), Dr. Sc. (John Hopkins)
3.	P. G. M. Mujinja	M	Associate Professor	BA (UDSM), MPH, CIH, MA (Econ) (Boston), PhD (Heidelberg)
4.	D. C. V. Kakoko	M	Senior Lecturer	BEd, MA (UDSM), PhD (Bergen)
5.	S. R. Kamazima	M	Senior Lecturer	BEd, MA (UDSM), PhD (Minnesota)
6.	*I. H. Mosha	F	Assistant Lecturer	BA, MA (UDSM)
7.	*P. D. Nahato	F	Assistant Lecturer	BA, MA (UDSM)
8.	*H. Saronga	F	Assistant Lecturer	BA, MA (UDSM)
9.	*W. Onesmo	F	Tutorial Assistant	BA (UDSM) MSc. Cand.
Department of Community Health				
10.	A. T. Kessy	F	Senior Lecturer and Head	MD, MMed (UDSM)
11.	G. I. Msamanga	M	Professor	MD, DPH., M.Sc., ScD
12.	D. O. Simba	M	Associate Professor	MD, MMed (UDSM), PhD (Karolinska)
13.	D. P. Urassa	M	Associate Professor	MD (UDSM), MTH (Queensland), MPHC (Rome), PhD (Uppsala)
14.	B. F. Sunguya	M	Lecturer	MD, Msc, PhD (Tokyo).
15.	N. J. Saronga	F	Assistant Lecturer	BSc HEHN(SUA), MSc. Nutrition (Wageningen)
16.	H. Mruma	M	Assistant Lecturer	MD, MPH (MUHAS)
17.	M. Amour	F	Assistant Lecturer	MD (MUHAS), MPH (Dartmouth)
Department of Environmental and Occupational Health Sciences				
18.	S. H. D. Mamuya	M	Senior Lecturer and Head	BSc (Eng) (UDSM), Dipl. (San. Eng) (Delf), MPhil (Bergen), PhD (Bergen)
19.	A. V. F. Ngowi	F	Senior Lecturer	BSc (UDSM), MSc (OHS) (UK), PhD (Tampere Finland)

20.	L. M. B. Rongo	M	Senior Lecturer	BSc (Eng) (UDSM), Dipl. in San. Eng. (Delft), PhD (Nijmegen)
21.	Y. Kishashu	M	Assistant Lecturer	MSc (Lulea), PGD (Kwa Zulu Natal), MPH (Michigan),PhD Cand.
22.	E. Mrema	M	Lecturer	BSc, MSc (UDSM), PhD (Milano)
23.	*J. Mlimbila	F	Assistant Lecturer	BSc (SUA), MSc (Wageningen, Holland) PhD Cand.
24.	D. Rweyemamu	M	Assistant Lecturer	BSc EHS MSc, (UDSM)
25.	H. Mohamed	M	Assistant Lecturer	BSc EHS, MSc. (UDSM)
26.	G. Sakwari	F	Lecturer	BSc EHS (UDSM), MSc. (Bergen), PhD (Bergen)
27.	S. S. Kishinhi	M	Lecturer	BSc. (SUA), MSc. Enc Sc(Jackson State), PhD (Jackson State)
28.	*H. Kaijage	M	Tutorial Assistant	BSc EHS (UDSM), MSc (ARU)
29.	P. L. Mwelange	M	Tutorial Assistant	BSc (MUHAS)
30.	J. Bachwenkiza	M	Tutorial Assistant	BSc (ARDHI Unv)
31.	S. S. Salehe	F	Tutorial Assistant	BSc (ARDHI Unv)
32.	S. Saidi	M	Tutorial Assistant	BSc EHS (MUHAS)
33.	W. N. Mwakalasya	M	Tutorial Assistant	BSc (MUHAS)
34.	H. Mwanga	M	Lecturer	MD (MUHAS), MMED, PhD cand. (Cape Town)
D epartment of Development Studies				
35.	A. Semakafu	F	Senior Lecturer and Head	BA, MA (UDSM), PhD (UDSM)
36.	A. D. Kiwara	M	Associate Professor	MD, MA (UDSM), MA (CompSoc), PhD (Connecticut)
37.	M. A. Mwangu	M	Senior Lecturer	BA (Ed.), MA, PhD (UDSM)
38.	T. Nyamhanga	M	Lecturer	BSc (N), MA (UDSM), PhD (MUHAS)
39.	G. Frumence	M	Lecturer	BA, MA (UDSM), PhD (Umea).
40.	A. Anaeli	M	Lecturer	BSc, MA (UDSM), PhD (Umea)
41.	*D. Chitama	M	Assistant Lecturer	BA (Econ) Botswana, MA (UDSM), MPH (Cape Town)
42.	*G. Mahiti	F	Assistant Lecturer	BSc, MA Rural Development (SUA)
43.	M. Tungu	M	Assistant Lecturer	BA, MA (UDSM)
44.	N. Sirili	M	Tutorial Assistant	MD, MSc (MUHAS), PhD Cand.

45.	L. Simon	F	Tutorail Assistant	MD (MUHAS)
46.	F. A. Ngowi	M	Tutorial Assistant	BA (UDSM), MA (UDSM, ABD).
47.	J. Mlay	M	Tutorail Assistant	BA (UDSM)
Department of Epidemiology and Biostatistics				
48.	C. S. Moshiro	F	Senior Lecturer and Head	BSc (UDSM), MSc (London), PhD (Bergen)
49.	J. Z. J. Killewo	M	Professor	MB ChB (EA), DPH (UDSM), MSc (London), PhD (Umea)
50.	K. S. Mnyika	M	Associate Professor	MD, MSc (UDSM), PhD (Bergen)
51.	I. A. J. Semali	M	Senior Lecturer	MD, DPH (UDSM), MSc (London), PhD (Basel)
52.	G. Kwesigabo	M	Associate Professor	MD (UDSM), MSc (London), MEd(Manchester), PhD (Umea)
53.	M. R. Kazaura	M	Senior Lecturer	BA (UDSM), MSc (London), PhD (Bergen)
54.	R. Mpembeni	F	Senior Lecturer	BSc (UDSM), MSc (London),PhD(MUHAS)
55.	G. Leyna	F	Lecturer	MD (UDSM), MPhil (Oslo), PhD (Oslo)
56.	E. J. Mmbaga	M	Senior Lecturer	MD (UDSM), MPhil (Oslo), PhD (Oslo)
57.	A. N. Sabasaba	M	Tutorai Assistant	MD (MUHAS)
58.	M. M. Mizinduko	M	Assistant Lecturer	MD (MUHAS), MPH (BOSTON)
59.	D. T. Faini	F	Tutorial Assistant	MD (MUHAS)
60.	T. Ambrose	F	Tutorial Assistant	MD (MUHAS)
Department of Parasitology and Medical Entomology				
61.	B. Ngasala	M	Senior Lecturer and Head	MD (UDSM), PhD (Karolinska)
62.	D. B. Gasarasi	F	Senior Lecturer	Dipl.Ed, BSc (UDSM), M SPH, ScD (Tulane)
63.	D. S. Tarimo	M	Senior Lecturer	MD, MSc TDC (UDSM), PhD (Denmark)
64.	M. L. Mubi	F	Lecturer	BSc, MSc (UDSM), PhD (Karolinska)
65.	T. Makene	F	Tutorial Assistant	BSc (UDSM)
66.	L. Edward	M	Tutorial Assistnat	MD (MUHAS)

10.7 INSTITUTE OF ALLIED HEALTH SCIENCES

S/N	Name	Sex	Academic Rank	Qualifications
School of Hygiene – Muhimbili				
1.	D. J. Mazali	M	Principal Tutor and Head	DEHS (UDSM), DHPEd (CEDHA), MA (Limburg), MSc (Manchester)
2.	N. Yahya	M	Senior Tutor	DEHS (UDSM), Adv. Dip. in PHC (Iringa), PGD (Dodoma), Cert. in Comm Health Services (Japan), BA (OUT)
3.	H.K. Nyagawa	M	Tutor	DEHS (UDSM), BSc (SUA), MSc (Leeds)
4.	I. Swai	M	Tutor	BSc. EHS (MUHAS)
5.	R. Byabato	F	Tutor	Dip. in Clin. Medicine, BSc EHS (UDSM)
6.	M. Machugu	M	Tutor	DEHS (UDSM), BSc EHS(UDSM)
7.	F.J.Magoma	M	Tutor	DPIH (London), BSc Ed (UDSM) MBA (ESAMI), REHP
8.	R.Y. Esmail	F	Tutor	BSc EHS (MUHAS)
School of Environmental Health Sciences – Mpwapwa				
9.	R. M. Tarimo	M	Senior Tutor and Head	DEHS (UDSM), Cert. in Occ. Health and Safety (Nairobi)
10.	H. D. Mayeji	M	Tutor	DEHS (UDSM), Dip in HPEd (CEDHA), Adv. Dip. in Vector Control (Tanga)
11.	*F. M. Zacharia	M	Tutor	Cert. in Env. Health Sciences (Kagemu), DEHS (UDSM), Dip in HPEd (CEDHA)
12.	O. F. Mbangati	M	Tutor	DEHS (UDSM), BSc EHS (Kampala)
13.	A. Mandele	M	Tutor	BSc EHS (UDSM)
14.	P.P Msangi	M	Tutor	BSc EHS (MUHAS)
15.	C.O.Hosea	M	Tutor	DEHS (MUHAS)
School of Environmental Health Sciences – Tanga				
16.	R. E. Kunchela	M	Senior Tutor and Ag. Head	DEHS (EA), Cert. in Occ. Health Hygiene and Safety (UDSM),
17.	L. M. Munaku	M	Senior Tutor	DEHS (UDSM), Dip in HPEd (CEDHA), Cert in e-Learning and Management (Austria)
18.	M. Gwimo	M	Senior Tutor	DEHS (UDSM), Dip. in HPEd. (CEDHA), Adv. Dip. in Vector Control (Tanga)
19.	S. M. Lusana	M	Tutor	DEHS (UDSM), Dip. in HPEd

				(CEDHA)
20.	E. G. Mawalla		Tutor	DEHS (UDSM), Dip. in HPEd (CEDHA)
21.	J.T. Mbise	F	Tutor	BSc EHS (MUHAS)
School of Medical Laboratory Sciences				
22.	S. D. I. Ntambuto	M	Senior Tutor and Head	DMLT, ADMLS (UDSM), BSc (OUT), MSc Parasitology (London)
23.	S. Mrina	M	Senior Tutor	CMLT, DMLT (UDSM)
24.	R.E. Kweka	M	Senior Tutor	CMLT, DMLT (UDSM)
24.	E.M.Mfinanga	M	Senior Tutor	CMLT, DMLT (UDSM)
25.	C. Msuya	M	Tutor	CMLT, DMLT (UDSM), BMLS (IMTU)
26.	A. Mawazo	M	Tutor	BMLS (KCMC)
27	S. Lubapula	M	Tutor	BMLS (MUHAS)
School of Nurse Teachers				
28.	P. Magesa	M	Nursing Officer and Head	BScN (MUHAS), MScN (MUHAS)
29.	M. J. Chuwa	F	Senior Tutor	RN, RM (UDSM), BSc N MPH (UDSM)
30.	U. MSHASHU**	F	Nursing Officer	RN (Bukoba), BScN (HKMU)
31.	R. Mtonga	F	Nursing Officer	BScN (MUHAS),
32.	M. Mhode	F	Nursing Officer	BScN (MUHAS), MScN (MUHAS)
33.	B. Mwandali***	F	Nursing Officer	BScN (HKMU)
School of Pharmaceutical Sciences				
34.	A.B. Mkuwa	F	Tutor and Head	Dipl.Pharm.(UDSM), B. Pharm (St. Johns)
35.	E.A. Mauga	M	Principal Tutor	Dip. in Pharm, B. Pharm (UDSM), Dip. in HPEd (CEDHA), Master Degree in Medical Education, Dundee (UK)
36.	A.I. Rajab	M	Senior Tutor	Dip. in Pharm, B. Pharm (UDSM), Msc. Cl. Pharmacology (MUHAS)
37.	E. Tuarira	F	Senior Tutor	B. Pharm (UDSM), MA-HPM (MUHAS)
38.	T. Lyombe	F	Tutor	B. Pharm (UDSM) MPHARM (MUHAS)
39.	L.P. Chanila	F	Tutor	B. Pharm (UDSM)
40.	C. Marwa	M	Tutor	B. Pharm (RGUHS-India)
41.	S.K. Juma	F	Tutor	B. Pharm (UDSM)
42.	C. Mlay	F	Tutor	B. Pharm (UDSM)
43.	A.M. Muyinga	M	Senior Tutor	Cert. in Pharm (BMC), Cert. in Store Keeping (UDSM), Dip. in Pharm (UDSM)
44.	P.J. Njalale	M	Tutor	Dip. in Pharm, B. Pharm (UDSM),

				Msc. Pharm Management (MUHAS)
45.	B.D. Lalama	F	Tutor	B. Pharm (St. Johns)
School of Radiography				
46.	E. P. Tibaijuka	M	Senior Radiographer and Acting Head	DDR (UDSM) Dip. in HPEd (CEDHA) Cert. in Med. Equip. Tech. (Arusha)
47.	L. E. Ndolele	M	Senior Tutor	DDR (UDSM), Cert. in Health System Res. Methodology, Cert. in Medical Ultrasound (Fonty's, Holland
48.	E. A. Mahanja	M	Senior Tutor	DDR (UDSM), Dip. in HPEd (CEDHA), Cert. in Radiotherapy (South Africa), Cert. in Medical Ultrasound (Fonty's) Holland
49.	E. M. Bandio	M	Senior Tutor	DDR (UDSM), Dip. in HPEd (CEDHA), Spec. Certificate in Anatomy (UDSM), Cert. in CT Technology (Best - Netherlands)
50.	*C. E.L. Malika	F	Senior Tutor	DDR (UDSM), Dip in HPEd (CEDHA), Cert. in Med. Ultrasound (Fonty's, Holland), Cert. In optimization of Diagnostic Radiography (Belgram)
51.	John Morshead	M	Senior Tutor	BSc Medical Radiograph (Australia)
Regional Dermatology Training Centre				
52.	E. J. Massenga	M	Associate Professor and Head	MD (UDSM), MMed. Dermatovenereology (Berlin), MPhil. (Bergen)
53.	H. Grossmann	M	Associate Professor	MD, MMed Dermatovenereology, Dip. in Trop. Med. Parasite, Spec. Degree Trop. Med. (Hamburg)
54.	D. R. Mavura	M	Lecturer	MD (Cuba), MMed (Tumaini)
55.	A. Naburi	M	Tutor	Adv. Dip in Clin Medicine (Tanga), ADDV (UDSM), MPH (Tumaini)
Tanzania Training Centre for Orthopaedic Technologists				
56.	H. G. Shangali	M	Senior Lecturer and Head	BPO, MSc in Prosthetics and Orthotics (UK)
57.	L. B. Mtalo	M	Senior Tutor	DOT (UDSM), Adv. Dip. in P & O (Germany), PGD (UK)
58.	E. C. Mosha	M	Senior Tutor	DOT (UDSM), Adv. Dip. in P & O (Germany), PGD (UK)
59.	K. Temba	M	Senior Tutor	DOT (UDSM), Adv. Dip. In P & O Germany

60.	A. Ndossi	M	Senior Orthopaedic Technologist	DOT (UDSM), Adv. Dip. in P & O (Germany)
61.	H. A. Mallya	F	Senior Orthopaedic Technologist	DOT (UDSM), Adv. Dip. in P & O (Germany)
62.	V. Mwaijande	F	Tutor	DOT (UDSM), BSc (&O)
63.	M. Mranga	F	Tutor	DOT (UDSM), BSc. P & O (Tumaini)
64.	I. Mayo	M	Tutorial Assistant	DOT (UDSM)
65.	R. Simba	M	Tutorial Assistant	DOT (UDSM)
66.	E. Kazeezya	M	Tutorial Assistant	DOT (UDSM)
School of Nursing				
67.	A. S. Mathube	M	Principal Tutor and Head	Dip.in Psych. N. (Mwanza), ADNE (UDSM),
68.	F. J. Nahonyo	F	Principal Nursing Officer II	Dip. in N. & Midwifery (KCMC), ADNE (UDSM), BScN (Aga-Khan)
69.	L. R. Issarow	F	PNO I	RN (Bugando), BSc N, MPH (IMTU)
70.	E. Kiula	F	PNO II	RN (KCMC), OTM (Mbeya), BSc N (KCMC), MPH (KCMC).
71.	R. M. Mgonja	F	Nursing Officer I	Dip. in N. & Midwifery, ADNE (UDSM), BSc N. Aga-Khan
72.	M. Nkaina	F	Nursing Officer I	Dip in N, (MZA), ADNE (UDSM)
73.	M. Malolela	F	Nurse Tutor II	Dip. in N. & Midwifery, ADNE (UDSM)
74.	E. D. Mlay	F	Nurse Tutor II	Dip. in N. & Midwifery, ADNE, Dip.in Social Welfare (UDSM)
75.	E. I. Naike	F	Nurse Tutor II	Dip. in N. & Midwifery, ADNE, Dip.in Social Welfare (UDSM)
76.	T. M. Fadhili	F	Nurse Tutor II	Dip. in N. & Midwifery (KCMC), ADNE (UDSM)
77.	P. Gwasma	F	Nursing Officer II	Dp in N, ADNE (UDSM)
78.	O. Nghahy	F	Nursing Officer II	Dip in N. and Midwifery, ADNE (MUHAS), BSc N (Aga Khan)
79.	N. J. Ngumo	F	NO II	RN (MUHAS), PGD ICU (South Africa), BSc N (KCMC)
80	E. Mroso	F	NO II	RN, BSc N (Aga Khan)
81	S. Mlabwa	F	NO II	RN, BSc N (MUHAS)
82	E. Swai	F	NO II	RN, BSc N
83.	G. Naftari	F	NO II	RN, BSc N
84.	E. Mwakalinga	F	Nursing Officer III	Dip in N, (Hydom), ADNE (UDSM)

*On study leave
** On leave of absence
*** On leave without pay

10.8 THE UNIVERSITY LIBRARY

S/N	Name	Sex	Academic rank	Qualifications
1.	E.T. Lwoga	F	Associate Library Professor	BLis (Makerere), PGD (UDSM), MSc (UDSM), PhD (UKZN)
2.	R. Chande-Mallya	F	Librarian	BEd (UDSM), MA Information Studies (UDSM), PhD (UDSM)
3	S. E. Msonde	M	Librarian	Dipl. In Education (Klerruu), BSc. Agric Gen (SUA), MA Information Studies (UDSM), PhD (HKU)
4.	M. A. Ruzegea	F	Librarian	BA with Education (UDSM), MA Information Studies (UDSM), PhD (IIUM)
5.	** A. Mcharazo	M	Senior Librarian	Dipl. Lib., BA LIS, MA, PhD LIS (Thames Valley)
6.	C. W. Marwa	M	Assistant Librarian	BSc. Computer science (St. Joseph Institute), MA Information Studies (UDSM).
7.	B. E. Sengo	M	Assistant Library Trainee	BSc. Informatics, SUA

** Leave of Absence

10.9 DIRECTORATE OF ICT

S/N	Name	Sex	Academic rank	Qualifications
1.	F. Sukums	M	Assistant Lecturer	BSc Comp Sci (UDSM), MSc Comp Sci (UDSM)

10.10INSTITUTE OF TRADITIONAL MEDICINE

S/N	Name	Sex	Academic rank	Qualifications
Department of Biological and Pre-clinical Studies				
1.	P. J. Masimba	M	Research Fellow and Head	BVM, MSc (SUA), PhD (Basel)
2.	M. J. Moshi	M	Associate Research Professor	B. Pharm (UDSM), PhD (Strathclyde, Glasgow)
3.	E. Innocent	F	Senior Research Fellow	BSc, MSc, PhD (UDSM)
4.	R. O. Nondo	M	Asst. Research Fellow	B. Pharm(UDSM), MSc Pharmacology (France)
5	J. Thomas	M	Assistant Lecturer	BSc (SUA), MSc (MUHAS)

6	B. C.Mwita	M	Tutorial Assistant	BSc (SUA), MSc (Basel))
Department of Natural Products Development and Formulation				
7.	M. C. Kapingu	M	Senior Research Fellow and Head	BSc Pharm, PhD (Nanjin)
8.	F. C. Uiso	F	Senior Research Fellow	BSc, MSc (Chem) (UDSM), MSc (Nutrition) (McGill, Canada)
9.	F. K. Machumi	M	Research Fellow	BSc. Educ (UDSM), MSc Chem (Botswana); PhD (UoNBI)
10.	B. Samwel	M	Assistant Research Trainee	BSc Chem (UDSM), MSc Trad Med Development (MUHAS)
11.	M. N. Mbunde	M	Assistant Lecturer	BSc, MSc (SUA)
12.	I. A. Almas	M	Tutorial Assistant	BSc (UDSM),MSc (MUHAS)
13.	D. Credo	M	Tutorial Assistant	BSc (UDSM)
Department of Medical Botany Plant Breeding and Agronomy				
14.	J. N. Otieno	M	Research Fellow and Head	BSc, MSc (SUA), PhD (UDSM)
15.	R. Mahunnah	M	Associate Research Professor	Dipl. Ed, BSc, MSc, PhD (UDSM)
16.	E. J. Kayombo	M	Research Fellow	Dipl. Ed, BEd, MA (UDSM), PhD (Vienna)
17	S. Abihudi	F	Assistant Lecturer	BSc (Makerere) MSc(MUHAS)

10.11 HONORARY LECTURERS AND ADJUNCT/VISITING PROFFESORS

S/N	Name	Sex	Department	Qualifications
SCHOOL OF MEDICINE				
1.	R. L. Boniface	M	Anaesthesiology	MD. MMed (UDSM)
2.	F. Atalar	F	Biochemistry (Adjunct Professor)	BSc (Istanbul), PhD (Essex)
3.	J. Mfinanaga	M	Emergency Medicine	MD (UDSM), MMed (MUHAS)
4.	T. A. Reynolds	F	Emergency Medicine (Adjunct Professor)	MD, Msc (UCSF), PhD (Columbia), FACEP (USA)
5.	M. S. Runyon	M	Emergency Medicine (Adjunct Professor)	MD (Florida), MPH (UNC), FACEP (USA)
6.	B. L. Murray	F	Emergency Medicine (Adjunct Assistant Professor)	MD (Harvard), PEM (Boston, U.S.A)
4.	L. Luzzatto	M	Haematology and Blood	MD (Italy), FRCP, FRCPath,

			Transfusion (Adjunct Professor)	
5.	E. Sandstrom	M	Internal Medicine (Adjunct Professor)	MD, PhD
6.	K. Ramaiya	M	Internal Medicine(Adjunct Professor)	MD, MMed
7.	M. Janabi	M	Internal Medicine(Adjunct Professor)	MD, PhD
8.	J. C. Rwegasha	M	Internal Medicine	MB.ChB (Makerere), MMed (Aga Khan Kenya), Cert. Gastro. (Witwatersrand, SA)
9.	F. S. Mosha	F	Microbiology and Immunology	MD (UDSM), MSc (KU Leuven), MSc (Jomo Kenyata), PhD (KU Leuven),
10.	M. Shafiq	M	Obstetrics and Gynaecology	MD, MMed
	H. L. Kidanto	M	Obstetrics and Gynaecology	MD (Istanbul), MMed (MUHAS)
11.	E. Swai	F	Otorhinolaryngology	MD (UDSM), MMed (MUHAS)
12.	H. K. Swai	M	Otorhinolaryngology	MD, MMed (MUHAS)
13.	J. C. Kimario	M	Otorhinolaryngology	MD, MMed (MUHAS)
14.	E. Ole Lengine	M	Otorhinolaryngology	MD, KCMCo), MMed (MUHAS)
15.	S. S. M. Rashid	F	Obstetrics and Gynaecology	MD (UDSM), MMed (MUHAS)
16.	S. Washington	F	Obstetrics and Gynaecology (Adjunct Professor)	DDS (Budapest), MA (Stanford), MSc PH (London), MD (Harvard),
17.	V. Lupondo	F	Orthopaedics and Traumatology/Neurosurgery	MD, MMed (UDSM)
18.	H. K. Shabani	M	Orthopaedics and Traumatology/Neurosurgery	MD (UDSM), PhD (Nagasaki), FCS (ECSA)
19.	C. M. Mugisha	M	Orthopaedics and Traumatology/Neurosurgery	MD, MMed), MSc (MUHAS) FCS (ECSA)
20.	S. P. Swai	M	Orthopaedics and Traumatology/Neurosurgery	MD (Vama), MMed (UDSM)
21.	C. Duggan	M	Paediatrics and Child Health	BA (Dartmouth), MD (Johns Hopkins), MPH (Harvard)
22.	C. R. J. C. Newton	M	Paediatrics and Child Health	MB ChB, MD (Cape Town), MRCP, FRCPCH (London)
23.	S. Lindemulder	F	Paediatrics and Child Health	BS (Clavi-USA), MClin Res (Oregon), MD (North-western, USA)
24.	M. N. Noorani	F	Paediatrics and Child Health	M.B ChB (Nairobi), MMed (MUHAS)
25.	G. F. Mallya	F	Paediatrics and Child Health	MD (KCM College), MMed (MUHAS)
26.	E. Mgelea	M	Paediatrics and Child Health	MD, MMed (MUHAS)

29.	J. Mbwambo	F	Psychiatry & Mental Health	MD (UDSM), Dip. Psych (Manchester)
30.	K. Mwambene	F	Psychiatry & Mental Health	MD, MMed (MUHAS)
31.	S. Kuganda	M	Psychiatry & Mental Health	MD (UDSM), MMed (Makerere)
32.	P. Kaduri	F	Psychiatry & Mental Health	MD (UDSM), MMed (MUHAS), MSc CH (Toronto)
33.	S. C. Yohani	F	Psychiatry & Mental Health (Adjunct Professor)	BA, Med (Cous. Psych), PhD
34.	R. P. Machano	F	Psychiatry & Mental Health	BA (Wisconsin), PhD (NY)
35.	S. D. Carter	M	Physiology	BSc (Oklahoma), PhD (Stockholm)
36.	J. Dharsee	M	Radiology and Imaging	MD, MMed
37.	M. C. Mango	M	Radiology and Imaging	MD UDSM), MMed (Nairobi)
38.	H. Makungu	F	Radiology and Imaging	MD (UDSM), MMed (MUHAS)
39.	M. F. Rizvi	M	Radiology and Imaging	MBBS (Karachi), FCPS (Pakistan)
40.	D. E. Mahende	M	Surgery	MD, MMed (MUHAS)
SCHOOL OF DENTISTRY				
41.	A. Mwakatobe	M	Orthodontics, Paedodontics and Community Dentistry	DDS (Voronezh, Russia), MPH (Tokyo), MDS (Nizhnynovgorod, Russia)
42.	J. W. Nyerere	M	Restorative Dentistry	DDS (Budapest), MDent (UDSM)
SCHOOL OF NURSING				
43.	O. A. M. Silanda	M	Clinical Nursing	BScN, MSc N Crit Care Care & Trauma
44.	C. A. Maboja	F	Clinical Nursing	BScN, MSc N Mental Health
SCHOOL OF PHARMACY				
45.	J. Lixia	M	Clinical Pharmacy and Pharmacology (Adjunct Professor)	MD (WMU), PhD (PUMC)
46.	D.C. Buma	M	Pharmaceutics	BPharm (UDSM), MPharm (MUHAS)
47.	A. B. Mtenga	F	Pharmaceutics	BPharm (Chenai), MSc Med Micr (London), PhD (GNU S. Korea).
48.	D. H. Shewiyo	M	Pharmaceutics	BPharm (UDSM), MPharm Sci (Ghent), PhD (Brussels

SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

50.	Lisa Purvis	F	Bioethics (Visiting Lecturer)	MBA (North Carolina), MPH (John Hopkins),
51.	J. F. Merz	M	Bioethics (Visiting Professor)	BS (NY), JD (Pittsburgh), MBA (Florida), PhD (Pittsburgh)
52.	R. D. Wadell	M	Bioethics (Visiting Professor)	BA (NC), MSc (New England), DSc (Rotterdam)
53.	C. M. Frishko-Ulrich	F	Bioethics (Visiting Professor)	MSc N (Washington DC), PhD (Maryland).

CHAPTER ELEVEN: ACADEMIC PRIZES

11.1 SCHOOL OF MEDICINE

11.1.1 ACADEMIC PRIZES

S/N	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT (TZS)
1.	University Prize	MUHAS	Best Final Year MD Student	100,000/=
2.	Vice Chancellors Prize	MUHAS	MD Student with highest marks in first year degree examination	100,000/=
4.	Ngirwamungu Memorial	Medical Association of Tanzania	Best final year MD student in Community Health	50,000/=
5.	African Medical Research	AMREF Dar es Salaam	Best fourth year MD student in Community Medicine	50,000/=
6.	Dr. Martin Mkono Prize	Paediatrics Association of Tanzania	Best final year MD student in Paediatrics and Child Health	50,000/=
7.	Microbiology and Immunology Prize	Prof. K. Lindquvist	Best 2nd year MD student in Microbiology and Immunology	50 USD in Books
8.	Pathology Prize	Association of Pathologists of Tanzania	Best second year MD student in Pathology	100,000/=
10.	Prof. Mkony Prize	Prof. C. Mkony	Best Final Year MD Student in Surgery for attendance and participation in learning activities	500,000/=
11.	University Prize	MUHAS	Best final Year BSc.RTT student	100,000/=
12.	University Prize	MUHAS	Best Final Year BMLS Student	100,000/=
13.	Vice Chancellors Prize	MUHAS	BSc.RTT student with Highest marks in first year degree examinations	100,000/=
14.	Vice Chancellors Prize	MUHAS	BMLS student with Highest marks in first year degree examinations	100,000/=

11.2 SCHOOL OF DENTISTRY

11.2.1 ACADEMIC PRIZES

S/N	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT (TZS)
1.	University Prize	MUHAS	Best final year student	100,000.00
2.	Vice Chancellor's Prize	MUHAS	Best First year student	100,000.00
4.	Dr. C.V. Mtawali Prize	Dr. C.M. Luhanga	The best DDS student in the final year examination	100,000.00 in books
5.	Miracle Corners of the World Prize	Miracle Corners of the World	The best fourth year DDS male student in clinical discipline	100,000.00
6.	Miracle Corners of the World Prize	Miracle Corners of the World	The best fourth year DDS female student in clinical discipline	100,000.00
7.	Flora Fabian Prize	Prof. F. Fabian	The best DDS student with highest marks in Anatomy	100,000.00
8.	Matee Prize	Prof. M.I.N. Matee	The best DDS student with highest marks in Microbiology	100,000.00
9.	Vuhahula Prize	Dr. E.A. Vuhahula	The best DDS student with highest marks in Pathology	100,000.00
10.	Ntabaye Prize	Dr. M. Ntabaye	The Best student in Preventive and Community Dentistry	200,000.00
11.	Frencken Prize	Dr. E.N. Kikwilu	The Second Best student in Preventive and Community Dentistry	100,000.00
12.	Mugonzibwa Prize	Dr. E.A. Mugonzibwa	The Best DDS student in Orthodontics	100,000.00
14.	Mumghamba Prize	Dr. E.G.S. Mumghamba	The best DDS Student in Periodontology	100,000.00
16.	Helen Mlangwa Prize	Dr. Mtaya-Mlangwa& Family	Second best student in Orthodontics	100,000.00
17.	Dr. Massaga Prize	Dr. Julius Massaga	Final year student with the best Elective Field Report Provided he/she has a minimum score of B+ in Preventive and Community Dentistry	100,000.00
18.	Stoelinga Prize	Dr. E. N. Simon	Best DDS III student in Oral and Maxillofacial Surgery	100,000.00
19.	Stoelinga Prize	Dr. E. N. Simon	Best DDS IV student in Oral and Maxillofacial Surgery	100,000.00
20.	Stoelinger Prize	Dr. E. N. Simon	Best Final Year DDS student in Oral and Maxillofacial Surgery	100,000.00
21.	CN Pharmacy Prize	CN Pharmacy	Best Final Year DDS student in Oral and Maxillofacial Surgery	100,000.00

11.3 SCHOOL OF PHARMACY

11.3.1 ACADEMIC PRIZES

SN	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT
1	Vice Chancellor's Prize	MUHAS	Best first year Student	100,000
2	Nakiete Pharmacy Award	Nakiete Pharmacy	Best First Year Student	100,000
3	Tanzania Food & Drugs Authority Prize	Tanzania Food & Drugs Authority	Best First Year Student in Pharmaceutics	100,000
4	MansoorDaya Prize	MansoorDaya Chemicals Ltd	Overall Best Student in the Second Year	100,000
5	Tanzania Food & Drugs Authority Prize	Tanzania Food & Drugs Authority	Best Second Year Student in Pharmaceutics	100,000
6	Nakiete Pharmacy Award	Nakiete Pharmacy	Overall Best Student in the Second Year	100,000
7	MansoorDaya Prize	Mansoor Daya Chemicals Ltd	Overall Best Student in the Third Year	100,000
8	Nakiete Pharmacy Award	Nakiete Pharmacy	Overall Best Third Year Student	100,000
9	Nakiete Pharmacy Award	Nakiete Pharmacy	Best Third Year Student in Pharmaceutical Microbiology	100,000
10	Tanzania Food & Drugs Authority Prize	Tanzania Food & Drugs Authority	Best Third Year Student in Pharmaceutics	100,000
11	University Prize	MUHAS	Best Final Year Student	100,000
14	Nakiete Pharmacy Award	Nakiete Pharmacy	Overall best (highest GPA) student in the School	100,000
15	Nakiete Pharmacy Award	Nakiete Pharmacy	Best Student in Medicinal Chemistry	100,000
16	Nakiete Pharmacy Award	Nakiete Pharmacy	Best Student in Pharmacognosy	100,000
17	Nakiete Pharmacy Award	Nakiete Pharmacy	Best Student in Pharmaceutics	100,000

18	Nakiete Pharmacy Award	Nakiete Pharmacy	Best Student in Pharmacy Practice	100,000
19	Tanzania Food & Drugs Authority Prize	Tanzania Food & Drugs Authority	Best Final Year Student in Pharmaceutics	100,000
20	Shely's Ltd Prize	Shely's Pharmaceuticals	Best final year Student in Medicinal Chemistry	100,000
21	FABERK Prize	FABERK PHARMACY	Best final year Student in Medicinal Chemistry	100,000
22	NIMR Prize	Tanzania National Institute for Medical Research	Best final year student in Research Project	100,000
23	Pharmacy Council Prize	Pharmacy Council	Best final year Student in Pharmacy Practice	100,000
24	Pharmacy Council Prize	Pharmacy Council	Best Second year Student in Pharmacy Practice	100,000
25	Pharmacy Council Prize	Pharmacy Council	Best Third year Student in Pharmacy Practice	100,000
26	Action Medeor Prize	Action Medeor	Best third year student in Pharmaceutical Quality Assurance	300,000
27	Action Medeor Prize	Action Medeor	Best final student year with highest professional integrity	300,000
28	Professor Minzi's Therapeutics winner Prize	Professor Minzi OMS	Best Bpharm4 student in Therapeutics	100,000

11.4 SCHOOL OF NURSING

11.4.1 ACADEMIC PRIZES

S/N	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT (TZS)
1.	University Prize	MUHAS	Best Final Year Student	100,000
2.	Vice Chancellor's Prize	MUHAS	Best First Year Student	100,000

4	Dean`s Prize	Dean, School of Nursing, MUHAS	Overall Best Final Year Student	100,000
5.	Late Kimangano Prize	Tanzania National nurses Association (TANNA)	Overall Best Final Year in BSc.N	100,000
6.	Tanzania Midwives Association's (TAMA) Prize	Tanzania Midwives Association (TAMA)	Best Third Year Student in Maternal and Child Health Nursing	100,000
7.	Associate Dean's Prize	Associate Dean, School of Nursing, MUHAS	Best student in Mental Health and Psychiatric Nursing	100,000
8.	Prof. Outwater's Prize	Dr Anne Outwater	Best student in BSc. Nursing Research Dissertation	150,000
9.	Head of Clinical Nursing Department Prize	Head of Clinical Nursing Department	Best student in clinical Practice (Principles of Nursing)	100,000
10.	Head of Community Nursing Department Prize	Head of Community Nursing Department	Best student in Community Midwifery Practice	100,000
11.	Head of Nursing Management Department Prize	Head of Nursing Management Department	Overall Best final year student in BSc. Nursing Management	100,000

11.5 SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

11.5.1 ACADEMIC PRIZES

S/N	NAME OF PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT (TZS)
1.	University Prize	MUHAS	Best Student in Final degree examination in each School	100,000
2.	Vice Chancellor's Prize	MUHAS	Student with highest marks in 1st year degree examination	100,000
3.	The Northern Ireland Award Center Prize	International Federation of Environmental Health (IFEH)	Best final year Student in Environmental Health Sciences	USD 100
4.	Che-Guevara Prize	Prof. A. D. Kiwara	Overall Best undergraduate Student in both DS 100 and 200 across all programmes at MUHAS	50,000
5.	Environmental and Occupational Health Award	Barrick Gold Tanzania	Best first year Student in Environmental Health Sciences	500,000
6.	Environmental and Occupational Health Award	Barrick Gold Tanzania	Second best first year Student in Environmental Health Sciences	300,000
7.	Environmental and Occupational Health Award	Barrick Gold Tanzania	Third best first year Student in Environmental Health Sciences	200,000
8.	Environmental and Occupational Health Award	Barrick Gold Tanzania	Best Second year Student in Environmental Health Sciences	500,000
9.	Environmental and Occupational Health Award	Barrick Gold Tanzania	Second Best Second year Student in Environmental Health Sciences	300,000
10.	Environmental and Occupational Health Award	Barrick Gold Tanzania	Third Best Second year Student in Environmental Health Sciences	200,000
11.	Environmental and Occupational Health Award	Barrick Gold Tanzania	Best final year Student in Environmental Health Sciences	500,000

12.	Environmental and Occupational Health Award	Barrick Gold Tanzania	Second Best final year Student in Environmental Health Sciences	300,000
13.	Environmental and Occupational Health Award	Barrick Gold Tanzania	Third Best final year Student in Environmental Health Sciences	200,000

11.7 INSTITUTE OF ALLIED HEALTH SCIENCES

S/N	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT TZS
1.	MUHAS (ADDV) Prize	MUHAS	Best Final Year Student	100,000/=
2.	MUHAS (ADMLS) Prize	MUHAS	Best Final Year Student	100,000/=
3.	MUHAS (ADNE) Prize	MUHAS	Best Final Year Student	100,000/=
4.	MUHAS (DDR) Prize	MUHAS	Best Final Year Student	100,000/=
5.	MUHAS (DEHS) Prize	MUHAS	Best Final Year Student	100,000/=
6.	MUHAS (DMLS) Prize	MUHAS	Best Final Year Student	100,000/=
7.	MUHAS (DOT) Prize	MUHAS	Best Final Year Student	100,000/=
8.	MUHAS (DPS) Prize	MUHAS	Best Final Year Student	100,000/=
9.	MUHAS (DN) Prize	MUHAS	Best Final Year Student	100,000/=
10.	Institute Prize (ADDV)	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	TSHS. 100,000/=
11.	Institute Prize (DMLS)	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	TSHS. 100,000/=
12.	Institute Prize (DDR)	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	TSHS. 100,000/=

13.	Institute Prize (DEHS)	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	TSHS. 100,000/=
14.	Institute Prize (DN)	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	TSHS. 100,000/=
15.	Institute Prize (DOT)	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	TSHS. 100,000/=
16.	Institute Prize (DPS)	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	TSHS. 100,000/=
17.	Institute Prize	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	100,000/=
18.	School Prize (ADDV)	IAHS	Best student in final group, best in Fieldwork/ Practicals & Professionalism	TSHS. 100,000/=
19.	School Prize (DMLS)	IAHS	Best in Fieldwork/Practicals/Professionalism	TSHS. 100,000/=
20.	School Prize (DDR)	IAHS	Best in Fieldwork/Practical/Professionals	TSHS. 100,000/=
21.	Dr. Flora Lwakatare Prize	Dr. Flora Lwakatare	Best student in the course of Disease Parten Recognition	TSHS. 100,000/=
22.	Dr. M.M. Ndukeki Prize	Dr. M.M. Ndukeki Prize	Awarded to the outstandind student in performance of the Clinical and Practical Field Work from the second year of study to the last year	TSHS. 100,000/=
23.	Lalison Ndolele Prize	Lalison Ndolele Prize	Awarded to the outstanding 3rd year student in performance of Management & Administration	TSHS. 100,000/=
24.	School Prize DEHS – DAR	IAHS	Best student in final group, best in Fieldwork/ Practicals and Professionalism	TSHS. 100,000/=
25.	DEHS - TANGA	IAHS	Best student in Fieldwork/ Practicals & Professionalism	TSHS. 100,000/=
26.	DEHS - MPWAPWA	IAHS	Best student in final group, Fieldwork/ Practicals & Professionalism	TSHS. 100,000/=
27.	School Prize (DN)	IAHS	Best student in final group, Fieldwork/ Practicals and professionalism	TSHS. 100,000/=

28.	School Prize (DOT)	IAHS	Best student in final group, Fieldwork/ Practicals and Professionalism	TSHS. 100,000/=
29.	School Prize (DPS)	IAHS	Best student in final group, best in Fieldwork/ Practicals and Professionalism	TSHS. 100,000/=