

**MUHIMBILI UNIVERSITY OF HEALTH
AND ALLIED SCIENCES**



**COMPETENCY BASED PROGRAMMES
UNDERGRADUATE PROSPECTUS**

2025/2026 – 2027/2028



The late President of Tanzania, Mwalimu Julius Nyerere officiating the establishment of the Faculty of Medicine in 1963 at Muhimbili

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VICE CHANCELLOR'S STATEMENT

I am delighted to introduce the undergraduate education prospectus for the academic period 2025/2026 – 2027/2028 of the Muhimbili University of Health and Allied Sciences (MUHAS). 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 for 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 healthcare delivery at national, regional, or global levels.

Since its establishment as a higher learning institution over 60 years ago, the institution's growth and development have been 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 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.

MUHAS currently offers four diploma programmes, one advanced Diploma programme and 16 undergraduate degree programmes to over 3,600 students who get unique opportunity to study at our institution. In this prospectus, we introduce two additional diplomas and three degree programmes. The diploma programmes include a Diploma in Herbal Medicine Development and Diploma in Prosthetic and Orthotic Science which are hosted at the Institute of Traditional Medicine and Institute of Health and Allied Sciences, respectively. Of the three newly introduced degree programmes, two of these, Bachelor of Science Medical Psychology and Bachelor of Science in Optometry, are hosted in the School of Clinical medicine; while Bachelor of Science in Dental Laboratory Technology is hosted in the School of Dentistry. A total of 476 highly trained and experienced faculty in seven schools and two institutes administer the various academic programmes shown in this prospectus. MUHAS also prides itself in thirteen

(13) 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 with an extensive collection of book copies, periodicals, and repositories on a variety of health-related disciplines. The main library is solar-powered and has a 24-hour reading and discussion rooms. It also hosts the university e-learning computer lab having more than 150 computers for e-learning purposes that is supported by the MUHAS ICT network which allows users to access a variety of online reputable journals and books.

The University has three campuses; Muhimbili, Mloganzila and Kigoma Campuses. Muhimbili campus is strategically located at Upanga, about one kilometer from the Dar es Salaam City Centre, the commercial capital of Tanzania. Its location offers an intellectually stimulating environment coupled with rich cultural, social, and sporting life. Furthermore, its proximity to other highly reputable public and private higher learning institutions provides multiple opportunities for peer interaction, which is both academically and socially beneficial to student's life. Mloganzila Campus occupies 3,800 acres and is located 3 km off Dar es Salaam-Morogoro highway, 25 km from Dar es Salaam City Center. This campus houses the multipurpose building for the Centre of Excellence in Cardiovascular Sciences which provides the much-needed space and facilities to support training and research in cardiovascular sciences. The Kigoma campus is located in western zone of the country at Ujiji, Kigoma. It has 102.3 acres of land. The Construction of academic and support facilities including lecture theatres, cafeteria, students' hostels, laboratories and library is ongoing in these campuses.

In addition to these campuses, other training and research facilities include the Bagamoyo Teaching Unit in 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.

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

It is my pleasure to welcome you to this University and I encourage the use of this prospectus in guiding your choice and decision to join MUHAS. Furthermore, this prospectus should be regarded resourceful to students pursuing undergraduate studies at MUHAS, and should be used to guide and plan activities.

Prof. Appolinary A. R. Kamuhabwa

Vice Chancellor

Muhimbili University of Health and Allied Sciences

Dar es Salaam - November 2025

SENIOR OFFICERS OF THE UNIVERSITY

Chancellor Muhimbili University of Health and Allied Sciences

Hon. Prof. David H. Mwakyusa (Former Member of Parliament and Minister of Health of the United Republic of Tanzania)

Chairman of the University Council

Hon. Dr. Harrison G. Mwakyembe, Diploma (TSJ), LL.B (Hons) (UDSM), LL.M (UDSM), LL.M (Magister Legum) (Hamburg), PhD (Hamburg), PG Dip. (University of Turin)

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Prof. Appolinary A.R. Kamuhabwa, BPharm (UDSM), MPharm Sc, PhD (KULeuven)

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Acting Deputy Vice Chancellor - Research and Consultancy

Prof. Bruno F. Sunguya, MD (UDSM), MSc, PhD (Tokyo)

Deputy Vice Chancellor - Planning, Finance and Administration

Prof. Erasto V. Mbugi, BVM, MVM (SUA), PhD (Wageningen), Post Doc (MUHAS)

PRINCIPAL AND DEANS OF SCHOOLS

PRINCIPAL CAMPUS COLLEGE OF MEDICINE

Prof. Enica Richard, MD, MMed (UDSM), Clinical Fellowship in Rhinology (Tan Tock Seng Hospital, Malaysia)

DEANS OF SCHOOLS

School of Clinical Medicine

Dr. Peter T. Wangwe, MBChB (Makerere), MMed (UDSM).

School of Diagnostic Medicine

Prof. Agricola Joachim, MD, MMed (UDSM), PhD (Karolinska)

School of Biomedical Sciences

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School of Pharmacy

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School of Nursing

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School of Public Health and Social Sciences

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INSTITUTE OF ALLIED HEALTH SCIENCES

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MUHAS BANKERS

The National Bank of

Commerce Samora Branch

P.O. Box 9002 Dar es Salaam

The National Bank of

Commerce Muhimbili

Branch Dar es Salaam

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The National Microfinance Bank

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This prospectus is published to guide undergraduate students in the University during the academic year 2025/2026 – 2027/2028. 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

1.0 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 of Dar 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 in an effort to transform it to MUHAS. 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 three campuses; Muhimbili, Mloganzila, and Kigoma. Muhimbili Campus is located in Dar es Salaam City Centre, at Ilala Municipality, Upanga, 9 United Nations Road. Mloganzila Campus occupies 3,800 acres and is located 3 km off Dar es Salaam-Morogoro highway, 25 km from Dar es Salaam City Centre, and it houses the East African centre for cardiovascular sciences

(CoECVS). The Kigoma campus is located in western zone of the country at Ujiji, Kigoma. It has 100 acres of land. The construction of academic and support facilities including lecture theatres, cafeteria, students' hostels, laboratories and library is ongoing in these campuses.

MUHAS' other facilities include, Training Unit at Bagamoyo, Pwani region and the land at Kihonda, 8 km from Morogoro Municipality along Morogoro-Dodoma Road. The two facilities are used for fieldwork during community rotations and other research activities.

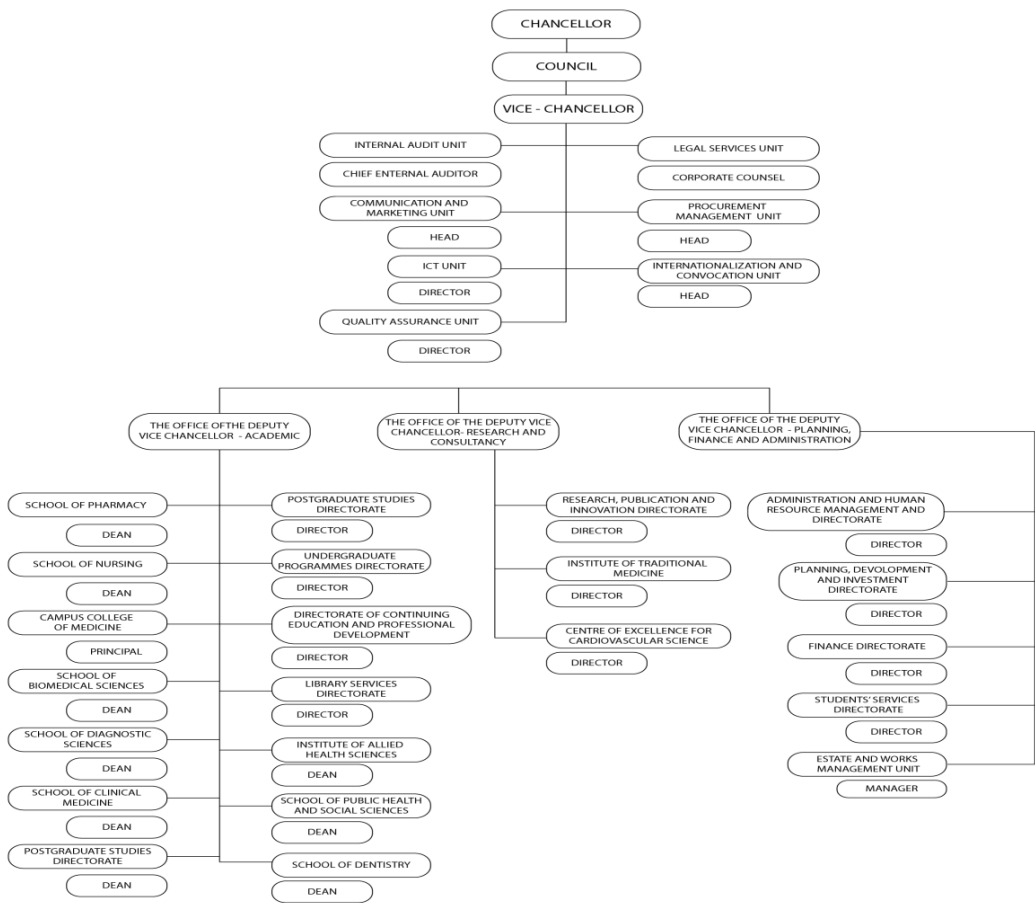
A separate prospectus is available for postgraduate studies. An abbreviated description of the programmes is presented in the prospectus under the respective academic units and detailed in the individual curricula available in the Schools and Institutes. MUHAS has 118 programmes in biomedical, diagnostic, clinical and allied health sciences disciplines which are taught in seven schools and two institutes. Of these, 24 are undergraduate programmes while the rest are postgraduate programmes. The office of Deputy Vice Chancellor – Academic is responsible for overseeing teaching and coordination of all academic programmes. The office of Deputy Vice Chancellor - Research and Consultancy coordinates and manages research and consultancy services across the University, Meanwhile the office of Deputy Vice Chancellor - Planning, Finance and Administration oversees institutional planning, financial management and administrative matters. The Directorates of Information Communication and Technology (ICT) and Library Services provide cross-cutting support in information and knowledge management (e-learning platform, repository, and online access of peer-reviewed journals and e-books) to all University units.



Photograph of MUHAS top University officials (Chancellor, Council Chairperson, Vice Chancellor, Deputy Vice Chancellors), Deans, Directors and invited officials) at a graduation ceremony, December 2024

1.2 MUHAS ORGANISATION STRUCTURE

Chart II
THE APPROVED FUNCTIONS AND ORGANISATIONAL STRUCTURE OF THE MUHIMBILI UNIVERSITY HEALTH AND ALLIED SCIENCES
(Approved by the President on 15'h January, 2022)



1.3.LIST OF UNDERGRADUATE ACADEMIC PROGRAMMES OFFERED AT MUHAS

1.3.1. CAMPUS COLLEGE OF MEDICINE

SCHOOL OF CLINICAL *MEDICINE*

- 1.3.1.1.MH011: Doctor of Medicine (MD)
- 1.3.1.2.MH016: Bachelor of Science in Physiotherapy (BSc Physiotherapy)
- 1.3.1.3.MH018: Bachelor of Science in Audiology and Speech Language Pathology (BSc.ASLP)
- 1.3.1.4.MH008: Bachelor of Science in Diagnostic and Therapeutic Radiography (BSc RAD)
- 1.3.1.5.MH019: Bachelor of Science in Occupational Therapy (BSc. OT)
- 1.3.1.6.MH021: Bachelor of Science in Medical Psychology (BSc. MP)
- 1.3.1.7.MHXX: Bachelor of Science in Optometry (BSc. Optometry)

SCHOOL OF DIAGNOSTIC *MEDICINE*

- (i) MH013: Bachelor of Medical Laboratory Sciences (BMLS)

SCHOOL OF BIOMEDICAL *SCIENCES*

- (i) MH014: Bachelor of Biomedical Engineering (BBME)
)
- (ii) MHXX: Bachelor of Science in Prosthetics and Orthotics (BScPO)

1.3.2. SCHOOL OF DENTISTRY

- 1.3.2.1.MH010: Doctor of Dental Surgery (DDS)
- 1.3.2.2. MH020: Bachelor of Science in Dental Laboratory Technology (BSc. DLT)

1.3.3. SCHOOL OF PHARMACY

- 1.3.3.1.MH001: Bachelor of Pharmacy (B.Pharm)

1.3.4. SCHOOL OF NURSING

- 1.3.4.1. MH009: Bachelor of Science in Nursing (BSc.N)
- 1.3.4.2. MH012: Bachelor of Science in Midwifery (BSc.M)

- (ii) MH015: Bachelor of Science in Nurse Anesthesia (BSc.NA)

1.3.5. SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

- 1.3.5.1.** MH007: Bachelor of Science in Environmental Health (BSc. EH)

1.3.6. INSTITUTE OF ALLIED HEALTH SCIENCES

Diploma Programmes

1.3.6.1. Diploma in Environmental Health Sciences (DEHS)

1.3.6.2. Diploma in Diagnostic Radiography (DDR)

1.3.6.3. Diploma in Prosthetic and Orthotic Science (DPOS)

Advanced Diploma Programmes

- (i) Advanced Diploma in Dermatovenereology (ADDV)

1.3.7. INSTITUTE OF TRADITIONAL MEDICINE

Diploma Programmes

1.3.7.1. Diploma in Herbal Medicine Development (DHMD)

1.3.8. APPLICATION PROCEDURES

1.3.8.1. UNDERGRADUAE DEGREE PROGRAMMES

1.3.8.2. 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 Muhimbili University of Health and Allied Sciences (MUHAS) online Application Portal available on the website www.muhas.ac.tz.

1.3.8.3. Applicants with Equivalent Qualifications:

Applicants under equivalent qualifications should also apply through the Muhimbili University of Health and Allied Sciences (MUHAS) online Application Portal through the website www.muhas.ac.tz. However, before application they must first contact NECTA (applicants with foreign certificates) or NACTVET (applicants with diploma certificates) to verify their certificates before initiating the application process on the MUHAS

website.

1.3.8.4. ADVANCED DIPLOMA PROGRAMME

Applicants aspiring for Advanced Diploma programme in Dermatovenereology should send their application to the Regional Dermatology Training Centre affiliated to the Muhimbili University of Health and Allied Sciences (MUHAS).

1.3.8.5. DIPLOMA PROGRAMMES

i) Applicants with A- Level Qualifications (Direct Entry scheme):

Applicants with O-Level qualifications (direct entry scheme) should apply for the diploma programmes through the Muhimbili University of Health and Allied Sciences (MUHAS) online Application Portal available on the website www.muhas.ac.tz.

ii) Applicants with Equivalent Qualifications:

Applicants under equivalent qualifications should also apply for the diploma programmes through the Muhimbili University of Health and Allied Sciences (MUHAS) online Application Portal available on the website www.muhas.ac.tz. However, before application they must first contact NECTA (applicants with foreign certificates) or NACTVET (applicants with basic certificates) to verify their certificates before initiating the application process on the MUHAS website.

1.4.ENTRY REQUIREMENTS FOR UNDERGRADUATE PROGRAMMES

1.4.1. ENTRY FOR UNDERGRADUATE DEGREE PROGRAMMES

The minimum entry requirement into this University for undergraduate degree programmes is three principal passes in Biology, Chemistry and Physics as described below for each of the programmes offered.

1.4.2. Campus College of Medicine

1.4.3. School of Clinical Medicine

1.4.3.1. Doctor of Medicine (MD) - MH011

Entry Requirements

Direct Entry

Three principal passes in Physics, Chemistry and Biology with a minimum of 6 points: a minimum of D grade in Chemistry, Biology and Physics at A-Level.

Equivalent Qualifications

Diploma in Clinical Medicine with an average of “B” or a minimum GPA of 3.0. In addition, an applicant must have a minimum of “D” grade in the following subjects: Biology, Chemistry, Physics, English and Mathematics at O-Level.

1.4.3.2. Bachelor of Science in Physiotherapy (BSc Physiotherapy) - MH016

Entry Requirements

Direct Entry

Minimum of 6 Points with D Grade in Physics, Chemistry, and Biology with a minimum of 6 points at A-Level.

Equivalent Qualifications

Diploma in physiotherapy, Nursing, Clinical Medicine, or Occupational Therapy with an average of 'B' or minimum GPA of 3.0. In addition, an applicant must have a minimum of D grade in Mathematics, Physics, Chemistry, Biology, and English at O-Level.

1.4.3.3. Bachelor of Science in Audiology and Speech Language Pathology (BSc.ASLP) - MH018

Entry Requirements

Direct Entry

Three principal passes in Physics, Chemistry, and Biology with minimum of 6 points: a minimum of D grade in Chemistry, Biology and Physics at A-Level.

Equivalent Qualifications

Diploma in Audiology and Speech Therapy (DAST), Nursing or Clinical Medicine with an average of "B" or a minimum GPA of 3.0. In addition, an applicant must have three credits in Physics, Chemistry and Biology at O-Level.

1.4.3.4. Bachelor of Science in Diagnostic and Therapeutic Radiography (BSc RAD)- MH008

Entry Requirements

Direct Entry

Three principal passes in Physics, Chemistry and Biology with minimum of 6 points: a minimum of C grade in Chemistry and D grade in Biology and at least E grade in Physics at A-Level.

Equivalent Qualifications

Diploma in Radiology with an average of "B" or a minimum GPA of 3.0. In addition, an applicant must have a minimum of "D" grade in the

following subjects: Biology, Chemistry, Physics, English and Mathematics at O-Level.

1.4.3.5. Bachelor of Science in Occupational Therapy (BSc. OT) – MH019

Entry Requirements

Direct Entry

Three principal Pass in Biology, Chemistry, Physics at ‘A’ level with the minimum of 6 points, Biology being Compulsory, whereby one must have at least D grade in Physics, Chemistry and Biology.

Equivalent Qualifications

Appropriate Diploma in Occupational Therapy, Occupational Therapy, Nursing, Clinical Medicine with GPA of 3.0 or B grade or above.

1.4.3.6. Bachelor of Science in Medical Psychology (BSc. MP) – MH021

Direct Entry

Three principal Pass in Biology, Chemistry, Physics at A-level with the minimum of 6 points, Biology being compulsory. Preference will be given to Applicants with a B or higher grade in Biology and/or Chemistry.

Equivalent Qualifications

Holders of a Diploma in Psychology, Nursing, Clinical Medicine, or any other health-related fields approved by the University Senate with a GPA of 3.0 or B grade or above. Credit passes at any grade in Physics, Biology, Chemistry, and Mathematics at O-level will be a requirement.

1.4.3.7. Bachelor of Science in Optometry (BSc. Optometry) – MHXX

Direct Entry

A minimum of three passes at D grade or higher in Physics, Biology and Chemistry at A-level. A pass in Mathematics is required. Preference will be given to Applicants with B or higher grade in Physics and/or Biology in that order.

Equivalent Qualifications

Holders of a Diploma in Optometry from approved and recognized institutions will be considered for admission into the BSc Degree course with overall GPA of 3 and overall “B” grade performance. Credit passes at any grade in Physics, Biology, Chemistry and Mathematics at O-level will be a requirement.

Diploma in health-related clinical programmes from approved and recognized institutions will be considered for admission into the BSc Degree course with overall GPA of 3 and overall “B” grade performance. Credit passes at any grade in Physics, Biology, Chemistry and Mathematics at O level will be a requirement

1.4.4. School of Diagnostic Medicine

1.4.4.1. Bachelor of Medical Laboratory Sciences (BMLS) - MH013

Entry Requirements

Direct Entry

Three principal passes in Physics, Chemistry, and Biology with minimum of 6 points: a minimum of C grade in Chemistry and D grade in Biology and at least E grade in Physics at A-Level.

Equivalent Qualifications

Diploma or Advanced Diploma in Medical/Health Laboratory Sciences/ Diploma in Medical Laboratory Technology (DMLT) with an average of “B” or a minimum GPA of 3.0. In addition, an applicant must have a minimum of “D” grade in the following subjects: Biology, Chemistry, Physics, English, and Mathematics at O-Level.

1.4.5. School of Biomedical Sciences

1.4.5.1. Bachelor of Biomedical Engineering (BBME) - MH014

Entry Requirements

Direct Entry

Three principal passes in Physics, Chemistry and Advanced Mathematics with a minimum of 8 points: a minimum of C grade in Advanced Mathematics and Physics and a minimum of D grade in Chemistry in A-level. In addition, an applicant must have a minimum of C grade in Biology at O-Level.

Equivalent Qualifications

Diploma or Advanced Diploma in Biomedical, Electrical, Electronics and Telecommunication, Mechatronics, Mechanical Engineering or Computer Science with an average of “B+” or a minimum GPA of 3.5. In addition, an applicant must have a minimum of “D” grade in the following subjects: Mathematics, Chemistry,

Biology, Physics and English at O-Level.

1.4.5.2. Bachelor of Science in Prosthetics and Orthotics (BSc. POS) - MHXX

Entry Requirements

Direct Entry

A minimum of three principal passes at “A” level in the following subjects: Principal pass at C grade or Higher in Biology and Physics and D or higher in Chemistry with C grade or above in Mathematics at O-Level.

Equivalent Qualifications

- i. Holders of a Diploma and/or Advanced Diploma in, Orthopaedic Technology, Physiotherapy, Occupational therapy or Biomedical engineering with a minimum GPA of 3.0 accredited by a relevant authority and approved by the University Senate. International candidates will be admitted with equivalents requirement under TCU guidelines.
- ii. The candidate should have a Certificate of Secondary Education Examination (CSEE) with passes in five (5) subjects, including Biology, Physics, Chemistry, Mathematics, and English obtained prior to sitting for Advanced Certificate of Secondary Education Examination (ACSEE) in one sitting or equivalent. And other related combination as addressed by National Education Policy, 2022 will be considered.

1.4.6. School of Dentistry

1.4.6.1. Doctor of Dental Surgery (DDS) - MH010

Entry Requirements

Direct Entry

Three principal passes in Physics, Chemistry and Biology with a minimum of 6 points: a minimum of D grade in Chemistry, Biology and Physics at A-Level.

Equivalent Qualifications

Diploma in Dental Health Sciences with an average of “B” or a minimum GPA of 3.0. In addition, an applicant must have a minimum of “D” grade in the following subjects: Biology, Chemistry, Physics, English and Mathematics at O-Level.

1.4.6.2. Bachelor of Science in Dental Laboratory Technology (BSc. DLT) – MH020

Entry Requirements

Direct Entry

Three principal passes in Physics, Chemistry and Biology with a minimum of 6 points: a minimum of D grade in Chemistry, Biology and Physics at A-Level.

Equivalent Qualifications

Diploma in Dental Health Sciences with an average of “B” or a minimum GPA of 3.0. In addition, an applicant must have a minimum of “D” grade in the following subjects at O-Level: Biology, Chemistry, Physics, English and Mathematics.

1.4.7. School of Pharmacy

1.4.7.1. Bachelor of Pharmacy (BPharm)-MH001

Entry Requirements

Direct Entry

Three principal passes in Physics, Chemistry and Biology with a minimum of 6 points. A minimum of D grade in Chemistry, Biology and Physics at A-Level.

Equivalent Qualifications

Diploma in Pharmaceutical Sciences with an average of “B” or a minimum GPA of 3.0. In addition, an applicant must have a minimum of “D” grade in the following subjects at O-level: Biology, Chemistry, Physics, English and Mathematics.

1.4.8. School of Nursing

1.4.8.1. Bachelor of Science in Nursing (BSc. N) - MH009

Entry Requirements

Direct Entry

Three principal passes in Physics, Chemistry and Biology at A-level with a minimum entry of 8 points. Whereby one must have at least C grade in Chemistry and Biology and at least D grade in Physics.

Equivalent Qualifications

Diploma or Advanced Diploma in Nursing with a minimum GPA of 3.0 or an average of B grade accredited by a relevant authority and approved by the

University Senate. The candidate should have a certificate of secondary education examination (CSEE) with three passes in Biology, Chemistry and Physics.

1.4.8.2. Bachelor of Science in Midwifery (BSc. M) - MH012

Entry Requirements

Entry Category: Strictly Equivalent qualification

Diploma or Advanced Diploma in Nursing and Midwifery with an average of “B” or a minimum GPA of 3.0. In addition, an applicant must have a minimum of “D” grade in the following subjects: Mathematics, Chemistry, Biology, Physics, and English at O-Level.

1.4.8.3. Bachelor of Science in Nurse Anaesthesia (BSc. NA) - MH015

Entry Requirements

Entry Category: Strictly Equivalent qualification

Diploma or Advanced Diploma in Nursing Education with an average of “B” or a minimum GPA of 3.0. In addition, an applicant must have a minimum of “D” grade in the following subjects: Mathematics, Chemistry, Biology, Physics and English at O-Level.

1.4.9. School of Public Health and Social Sciences

1.4.9.1. Bachelor of Science in Environmental Health (BSc. EH) -MH007

Entry Requirements

Direct Entry

Three principal passes in Chemistry, Biology and either Physics or Mathematics or Nutrition or Geography or Agriculture with a minimum of 6 points. Candidates with C grade in chemistry will be given high priority.

Equivalent Qualifications

Diploma in Environmental Health Sciences with an average of “B” or a minimum GPA of

3.5. In addition, an applicant must have at least five (5) passes including two credit passes in Biology and Chemistry, and at least D grade in Physics and either of the following subjects Mathematics, Geography, Home Economics and Nutrition, Agriculture and English. at O-Level.

1.5.VALIDATION OF EQUIVALENT QUALIFICATIONS FOR THE LISTED PROGRAMMES

a) HOLDERS OF NACTVET CERTIFICATES

All applicants applying on equivalent basis must ensure that they possess a valid Award Verification Number (AVN) issued by NACTVET.

b) HOLDERS OF FOREIGN CERTIFICATES

All applicants holding foreign qualifications must have their qualifications validated and equated by the respective regulatory bodies before submitting their applications for admissions as follows:

- (i) The National Examination Council of Tanzania in respect of Certificates of Secondary Education and Teacher education
- (ii) The National Council for Technical Education in respect of NTA Level 6 qualification.

1.5.1.ENTRY FOR ADVANCED DIPLOMA PROGRAMMES

There is no direct entry qualification for this programme. All prospective applicants are expected to have successfully completed specific prerequisite courses with satisfactory overall performance, as determined by the Institute of Allied Health Sciences (IAHS) at MUHAS. For more detailed information, kindly refer to Chapter 8.

1.5.2. ENTRY FOR DIPLOMA PROGRAMMES

For all diploma programmes, there is both direct and equivalent entry qualifications, as determined by the Institute of Allied Health Sciences (IAHS) and Institute of Traditional Medicine (ITM) at MUHAS. For more detailed information, kindly refer to Chapters 8 and 9.

1.6.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 and must sign agreement with the University barring such applicants from engaging in any employment during the period of study
- (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. All admitted students are expected to conform entirely to University regulations.
- (v) 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.
- (vi) 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. A student failing to register on time shall cease to be a bonafide student of MUHAS.
- (vii) 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. Changing from one MUHAS 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.
- (viii) Students entering this University by transfer of credits, cannot transfer credits obtained elsewhere unless the programmes from the other University are in the Credit Accumulation and Transfer System (CATS). Such transfers should conform to the TCU principles of credit transfer as outlined in the current TCU University Qualifications Framework.
- (ix) A student who intends to transfer credits 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.
- (x) Where degrees are classified, the maximum transferable load is one academic year.
- (xi) Undergraduate 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.
- (xii) Students discontinued from studies on academic grounds from this or any other university shall only be eligible for re-admission or admission, respectively to this University for the same or any other programmes at least three years after discontinuation from studies.
 - (xiii) Students discontinued from studies on professional misconduct or disciplinary grounds or due to examination irregularity shall not be re- admitted to this University.
 - (xiv) 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.
 - (xv) 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) Family/Social problems (each case to be considered on its own merit)
 - (c) Severe sponsorship problem or employer withdrawal of permission
 - (xvi) 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 disbursement of funds from HESLB will be stopped. No student (including those supported by HESLB or other sponsors) will be allowed to register for any semester without first paying the minimum fees. Registration will not take effect until these fees are paid. The minimum fees cover all university [direct costs and at least the tuition fee for the semester.](#)

1.6.1.Admission of Short-Term Students to Undergraduate Degree Courses

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.

1.6.1.1.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: -

1.6.1.1.1. 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.

1.6.1.1.2. The applicant's University/College should, if it supports the application, send a letter of recommendation to this University.

1.6.1.2. 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.

1.6.1.3. 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.

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

1.6.1.5. 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.

1.6.1.6. 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.

1.6.1.7. 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.

1.6.1.8. 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.

1.6.1.9. 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\$.

1.6.2. Admission of Occasional Students to Undergraduate Degree courses

1.6.2.1. An occasional student is one whose studentship is less than one academic year.

1.6.2.2. 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-A 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.

1.6.2.3. 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.

1.6.2.4. Admission is on a semester basis to any year of study.

1.6.2.5. 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.

1.6.2.6. An occasional student will be discontinued on the following grounds:

- a. Any serious breach of University regulations.
- b. Abscondment.
- c. Irregular attendance.

1.6.2.7. Occasional students may be allowed to audit courses by permission of the Senate.

1.6.2.8. 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 (DVC-A),
Muhimbili University of Health and Allied Sciences,
P.O. Box 65001,
Dar es Salaam, Tanzania.**

E-mail: dvca@muhas.ac.tz

Tel.: +255 22 2150302-6 ext. 1235 Direct: +255 22 2150473

1.7.GENERAL UNIVERSITY EXAMINATION REGULATIONS

1.7.1. 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. Payment of the required University fees is mandatory for the student to be registered and shall be made within the first two weeks after commencement of each Semester for both incoming first year and continuing students.
- iii) Subject to approval by the Senate, the Board of each School and 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 Institute, as the case may be.

1.7.2. Regulations for students' professional conduct

- iv) Every student shall be required to behave professionally and pass Professionalism and Ethics in Health science modules as offered in the respective programmes and also pass the professionalism competency domains as assessed in the various modules, courses or rotations in the programme.
- v) Professionalism will also include attention to the patient/client, appropriate patient care, upholding of ethical behavior while handling patients/clients, adherence to the approved policies and guidelines including but not limited to MUHAS dress code, zero tolerance to corruption, gender based violence, sexual exploitation, abuse and harassment and altruism. The following four principles shall be used to assess professionalism:

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 grossly unprofessional or lacks professionalism at any time shall be discontinued from studies by the disciplinary authority without any FURTHER inquiry.
- iv. 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 Department during 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 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.

1.7.3. Eligibility for Examinations

- vi) The Dean of a School or the Director of 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 course will be barred from sitting for the respective examination.
- vii) 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.
- viii) 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.
- ix) Candidates with unpaid tuition fees and all other prescribed fees shall not be allowed to sit for examination.
- x) Candidates who fail to sign the HESLB Pay Sheets shall not be allowed to sit for University/End of Module Examinations.

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

1.7.4. Absence from Examinations

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

1.7.5. Board of Examiners

- xi) 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.
- xii) 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.
- xiii) External Examiners shall be entitled to such honoraria, as the Council shall prescribe.

1.7.6. Form of Examination

- xiv) 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/clinical and other type of examinations depending on the appropriate method of assessment.
- xv) 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 Institute Board and as described in this prospectus under each programme.

1.7.7. Dates of Examinations

- xvi) End of semester examinations in all Schools and 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 Institute Board, and the Senate Undergraduate Education Committee, as the case may be.
- xvii) 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/ 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.
- xviii) 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 or Institute Board, present himself/herself for examination at a time fixed for any supplementary examination.
- xix) Notwithstanding 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.

1.7.8. Conduct of Examinations

- xx) University examinations shall be conducted under the control of the DVC-A or such other officer of the University as the DVC-A may appoint.
- xxi) The Senate, in the manner it shall prescribe, shall appoint the examiners for University examinations.
- xxii) The DVC-A 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.
- xxiii) The instruction notes or guidelines issued by the DVC-A under regulation 1.5.8 (iii) shall form part of and be as binding as these Regulations.

1.7.9. 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/ Institute Board and the Senate Undergraduate Education Committee or the Senate Higher Degrees Committee.

- xxiv) 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.
- xxv) 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.
- xxvi) Departments must ensure that External Examiners' assessment of students in their courses is done at least once in an audit year.
- xxvii) 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.
- xxviii) External examiners and moderators' guidelines shall be similar. These shall be provided by the office of DVC-A and appended to the appointing letter.
- xxix) After completion of their assessment, the external examiners and moderators shall immediately forward their reports to the DVC-A 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 direct the respective department to discuss the report and provide reactions to the comments made.

1.7.10. Examination Irregularities

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.

- xxx) 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. All students are not allowed to enter the examination rooms with cell phones or any digital instruments except where such materials are allowed for digital/online examinations, in which case the examiners/invigilators will enable conditions that prevent cheating.
- xxxii) All the online examinations that will be counted/graded towards a degree award must be conducted physically at examination venues/halls approved by MUHAS and should be under the official supervision of course facilitators, ICT personnel and other invigilators from the University. It is prohibited to conduct the summative assessments remotely online. Laptop/Desktop computers are the only electronic devices strictly permitted for summative assessments, ensuring uniformity and facilitating effective invigilation throughout the examination. It is highly recommended that online examinations should be well secured with a strong passwords and IP addresses. Online examinations must be conducted in Safe Exam Browser (SEB) whereby all laptops and desktop computers meeting the minimum hardware specification's must be preconfigured with SEB.
- xxxiii) In case of online examinations, the following are inexhaustive examination irregularities that are applicable during online examinations;
 - a) Failure to comply with instructions provided by the invigilator.
 - b) Logging in and accessing the examination through multiple

- devices.
- c) Logging in the examination outside of the designated examination venue.
 - d) Sharing examination passwords with anyone else outside the examination room.
 - e) Possessing any additional electronic device and other unauthorized materials in the examination room.
- xxxiii) 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.
- xxxiv) 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.
- xxxv) 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.
- xxxvi) 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.
- xxxvii) 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-A, the Dean of a School, Director of an 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.

- xxxviii) 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.

1.7.11. Publication of Results

- xxxix) 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 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 Institute soon after the School or Institute Board meeting, but the results shall not be regarded as final until they are approved by Senate.
- xl) Examination results, having been recommended by the School or an Institute Board to the Senate Undergraduate Education Committee, the Senate Committee shall make recommendations on the results and submit them to Senate for approval and allowing publication in SARIS.
- 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.

1.7.12. Progress from Year to Year

- xli) Candidates who are full time undergraduate students are required to have attained a minimum GPA of 1.6 before proceeding to the following year of study.
- xl ii) A candidate who passes the examination with a C grade or higher will be declared to have passed the examination.
- xliii) A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.
- xl iv) A candidate who scores a GPA of 1.6 or higher, but fails in up to 2 courses at the end of a semester or audit year shall be required to supplement in the failed Courses/modules.
- xl v) A candidate who fails in three or more courses during semesters one (1) to two (2) for four- to six-semester programmes shall be discontinued from studies regardless of GPA.
- xl vi) A candidate who fails in three or more courses during Semesters one

(1) to four (4) for eight- to ten-semester programmes shall be discontinued from studies regardless of GPA.

xlvi) For programmes with three or more Courses in an audit year, a candidate who fails all courses in the audit year shall be discontinued from the studies irrespective of the GPA.

xlvi) Candidate shall 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.

xlix) For all undergraduate programmes with a total of six (6) semesters or more, no candidate shall be allowed to progress to semester 5 unless and until he/ she has passed all course modules in semesters 1 to 4 of the programme.

i) 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 Institute Board and the Senate Undergraduate Education Committee as the case may be.

ii) 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 258 total credits.
- b. An undergraduate degree programme may have more than the minimum credits stated in 1.5.12 (xi) (a) depending on its duration.

1.7.13. Classification of Undergraduate Degrees of MUHAS

iii) The letter grades will be assigned grade points (GP) in accordance with the raw marks attained. For students who first registered into their programmes before 29th April, 2021 will be 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 – 70%	69 – 65%	64 – 56%	55 – 50 %	49 – 40%	39 – 0%
GP equation	$Y=0.02x+3$	$Y=0.2x-9.5$	$Y=0.0875x-2.2$	$Y=0.1x-3$	$Y=0.044x-0.28$	$Y=0.0359x$

For students who first registered into their programmes on or after 29th April, 2021

the grade points (GP) are as follows:

Letter grade	A	B+	B	C	D	E
GPRange	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 – 40%	39 – 0%
GPEquation	$Y=0.024x+2.6$	$Y=0.2x-10.5$	$Y=0.08x-2.1$	$Y=0.07x-1.5$	$Y=0.04x-0.1$	$Y=(1/28)x$

- liii) Approved courses given for each degree shall be appropriately weighted in terms of credits.
- liv) 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 (i)&(ii).
- lv) 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 (i) & (ii)
- vi) 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).
- vii) Except for MD, DDS, BScN, BSc Midwifery and BScN Anesthesia 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
GPARange	5.0 – 4.4	4.3 – 3.5	3.4 – 2.7	2.6 – 2.0

1.7.14. Classification of Diplomas

- lvi) 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 Institute.
- lvii) 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.

1.7.15. Award

- lviii) The Board of Examiners in a School or 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 Institute that such degree, diploma or other award be conferred upon or granted to such successful candidate.
- lix) 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 Institute.

1.7.16. 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 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-A through the Dean of the School or Director of an 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.

1.7.17. Post-humous awards

A post humous award may be awarded to a student who has died before graduation but 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 death had not occurred, the student, who had fulfilled the requisite criteria, had the right to be conferred the respective academic 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's School or 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 a regularly scheduled graduation ceremony in absentia or in 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.

1.7.18. 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/= for 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-A an application for a transcript; a clearance form and one coloured passport size photograph with a blue background (shirt or blouse should not be white) 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.
 - (v) No transcript or statement of results shall be issued to discontinued students on academic, abscondment, disciplinary or any other reasons that lead to student expulsion from the University.

1.7.19. 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-A or such other office as the DVC-A may authorize in writing) may issue a copy or another copy on condition that: -

- (i) The applicant produces a sworn in 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.

1.7.20. 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 regulation 1.5.10 (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 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 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 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-A 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.

1.7.21. Appeal Fee

- (i) All appeals shall be accompanied by non-refundable appeal fee of ten thousand shillings (TZS 10,000) for Tanzanian students or twenty dollars (USD 20.00) Bankers Cheque or other wire transfers 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.

1.7.22. 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 the 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 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-A 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-A 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 on pertaining circumstances as privacy of information contained, cost involved and environmental considerations, the DVC- A may with respect to any batch due for disposal, direct: -
- (vii) The disposal by shredding and then disposed of shreds by either burning or selling to companies for recycling; or
- (viii) Used examination papers shall be entirely burnt to completion.
- (ix) The DVC-A on recommendation of the Deans shall be the principal

executive officer responsible to order final disposal of any batch of examination answer books/scripts.

- (x) Heads of Departments shall witness final disposal of itemized examination answer books/scripts.
- (x) 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-A 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.
- (xi) Electronic examination records shall be archived in the e-Learning system for five years and follow the regulations regarding archiving and disposal of university documents.

1.8.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) In case the examination is an online examination, all candidates eligible for the respective examination should be seated in the venue at least 30 minutes before the examination begins. The students should have a preconfigured laptop suitable for e-Learning examination that meets the minimum specifications as stated in the joining instructions. Any other electronic device will be considered as prohibited material. During these 30 minutes the Senior Invigilator will:-
 - a) Make an announcement to the effect that all unauthorized materials should be removed from the examination room (eg. Mobile phones, tablets, smart watches and smart glasses)
 - b) Work with the ICT personnel to ensure functional internet connectivity, and issuance of the internet Wi-Fi password.
 - c) Announce that an ICT technician shall be present during the examination to give any technical assistance when needed.
 - d) Inform the candidates that in case of genuine gadget or internet failure this should be promptly communicated to the invigilators, and the time lost in resolving the issues shall be compensated accordingly.
- (vii) In case the examination is held in one of the venues containing devices specifically designated for online examinations (computer laboratory), any additional electronic device in possession of the examinee will be considered as prohibited material.

- (viii) 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. Candidate's attention is specifically drawn to General University Examination Regulation No. 1.5.10 (I - iii).
- (ix) Once a student is found with unauthorized materials, he/she should sign on the materials to confirm they are his or hers.
- (x) 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.
- (xi) 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.
- (xii) Mobile phones, computers, word-processing electronics devices and anything of that nature are prohibited from the examination room unless circumstances as stipulated under Section 1.5.10 (ii) of Examination Regulations apply.

1.9.NOTES TO INVIGILATORS

1.9.1. Procedure in the Examination Room for non-digital written Examination

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. In case of online examinations, invigilators must be present 30 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) In case the examination is an online examination, all candidates eligible for the respective examination should be seated in the venue at least 30 minutes before the examination begins. The students should have a preconfigured laptop suitable for e-Learning examination that meets the minimum specifications as stated in the joining instructions. Any other electronic device will be considered as prohibited material. During these 30 minutes the Senior

Invigilator will:-

- a) Make an announcement to the effect that all unauthorized materials should be removed from the examination room (eg. Mobile phones, tablets, smart watches and smart glasses)
 - b) Work with the ICT personnel to ensure functional internet connectivity, and issuance of the internet Wi-Fi password.
 - c) Announce that an ICT technician shall be present during the examination to give any technical assistance when needed.
 - d) Inform the candidates that in case of genuine gadget or internet failure this should be promptly communicated to the invigilators, and the time lost in resolving the issues shall be compensated accordingly.
- (ix) In case the examination is held in one of the venues containing devices specifically designated for online examinations (computer laboratory), any additional electronic device in possession of the examinee will be considered as prohibited material.
- (x) 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 as 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) For online examinations, candidates shall only be permitted to leave the examination room after presenting/showing the invigilator the successful submission summary.
- (iii) 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.
- (iv) 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.
- (v) 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.
- (vi) Invigilators shall hand over all extra examination papers to the Head of the relevant Department.

Procedures in the Examination Room for digital written Examination

For digital (online) examinations, instructions and conditions will be provided by the examiners/invigilators during when such examination will be done.

1.9.2. General Procedures during Examinations

- (xi) 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.

1.10. 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 or wire transferred after obtaining a unique control number that will be generated during the registration process and all payments must be receipted. The payer should then submit payment remittance advice to the Director of Finance for receipting. No personal cheques will be accepted. 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.

1.11. 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, counselling and guidance.



Members of MUHASO leadership

1.12. 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 health/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 over 66781 information materials where by 32808 book copies and 33973 periodicals on a variety of health-related disciplines. MUHAS ICT networks allows users to access a variety of online reputable journals. The Library also hosts University e-learning computer lab with more than 160 computers for e-learning purposes. In line with that it also extends its services to East African Cardiovascular Centre of Excellence. The main Library is solar powered and has a 24-hour reading and discussion rooms.



In the Library: Students searching for appropriate reference material from various catalogues.

The Library 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-Hour Reading Room

- Open 24 hours including Sundays and Public Holidays

1.13. 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 therefore invested in a powerful fiber optic network connecting all buildings thus providing high-speed data transmission (100Mbps/1Gbps). The communication gateway to the outside world 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 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.



Students searching information in the Computer Lab at MUHAS



Students doing online examination in the Library Computer Lab at MUHAS



CHAPTER TWO

2.0 CAMPUS COLLEGE OF MEDICINE

2.1. INTRODUCTION

The Campus College of Medicine was established in 2022. This college was upgraded from School of Medicine which started in 1963 as Dar es Salaam Medical School which was later transformed into faculty of Medicine under University of Dar es Salaam and subsequently transformed to School of Medicine under MUHAS. This College has three schools; School of Biomedical Sciences, School of Diagnostic Medicine, and School of Clinical Medicine. The campus initially comprised of 19 academic departments, collectively offering 53 programmes, including a range of medical specialization and sub-specialization tracks in key medicine. Now, the College has expanded both in scope and capacity, and it now houses 20 academic departments offering a total of 63 programmes. This growth reflects the institution's ongoing commitment to addressing national and global health workforce needs through diversified and advanced academic offerings in medicine and allied fields.



Application of simulation-based technology in imparting critical care clinical competencies to students

The Campus College of Medicine 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 Mission and Vision of the Campus College of Medicine are aligned to the mission and vision of the University.

The functions of the Campus 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 labour 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 Campus can be stated as:

1. To provide undergraduate education in Clinical Medicine, Diagnostic Medicine and Biomedical Sciences for degree programmes.
2. To provide post-graduate education in different specialties and super specialties 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 Campus College of Medicine provides a highly dynamic environment for teaching and learning, research and service. The Campus has a research environment that enables the University to stay at the cutting edge of medical and related research. Faculty in the Campus 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 solutions to global concerns 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 Campus with all enthusiasm, ethical conduct and professionalism and endeavour 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 DEGREE PROGRAMMES

2.2.1. Doctor of Medicine (MD) Degree Programme- MH011

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:

2.2.2.MD Degree Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
AN 100	Gross Anatomy and Histology	CORE	109	24	44	24	100	301	30.1
BC 103	Biochemistry & Molecular Biology	CORE	80	10	5	5	100	200	20.0
IT 101	ICT & Communication Skills	CORE	30	5	5	5	35	80	8.0
PF 110	Professionalism & Ethics in Health and Research	CORE	10	10	10	20	27	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 65.8 Credits									
AN 110	Dissectional Anatomy and Embryology	CORE	39	10	20	30	145	244	24.4
BS 100	Behavioural science	CORE	100	25	-	-	-	125	12.5
EO 100	Community Health organization	CORE	23.6	23.6	5.9	5.9	-	59	5.9
PH 100	Physiology	CORE	170	-	10	10	40	230	23.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 68.9 Credits									
MI 201	Microbiology/Immunology	CORE	80	8	6	9	100	203	20.3
PE 200	Parasitology & Entomology	CORE	30	10	10	20	50	120	12.0
MP 200.01	Principles Of Pathology	CORE	35	5	5	5	50	100	10.0
MP 200.02	Haematology and Blood Transfusion	CORE	10	8	5	5	22	50	5.0
ER 200	Epidemiology Biostatistics & research Methods	CORE	70	10	10	5	12	10	10.8
HS 201	Health Systems and	CORE	68	15	10	10	5	108	10.8

	Development								
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Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 65.6 Credits									
EO 200	Community Health Practice	CORE	40	5	5	5	15	70	7.0
CP 200	Basic and Clinical Pharmacology	CORE	70	80	17	21	60	248	24.8
MP 200.03	Head, neck, Check, Abdomen, cns And Mss	CORE	44	10	4	5	45	108	10.8
MP 200.04	Systemic Pathology	CORE	36	10	4	5	45	100	10.0
PS 200	Psychopathology	CORE	70	20	10	30	-	130	13.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 65.8 Credits									
MD 300	Management of Diseases	CORE	297	-	51	108	51	507	50.7
RO 300	Radiology	CORE	80	20	0	26	25	151	15.1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 65.8 Credits									
PF 300	Professionalism and Ethics in Medical Practice	CORE	12	12	24	24	65	137	13.7
MD 301	Communicable and Non-communicable Disease Control	CORE	140	70	35	35	70	350	35.0
ME 310	Research Proposal Development	CORE	10	10	5	5	20	50	5.0
OM 300	Occupational Medicine	CORE	24	12	6	4	6	52	5.2
MT 300	Management and Entrepreneurship	CORE	42	-	10	17	0	69	6.9

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 7 & 8: 131.6 Credits									
MS 510	Surgery	CORE	20	48.4	24.2	24.2	125.2	242	24.2
OG 510	Obstetrics and Gynaecology	CORE	20	48.4	24.2	24.2	125.2	242	24.2
MH 510	Paediatrics and Child Health	CORE	20	48.4	24.2	24.2	125.2	242	24.2
IM 510	Internal Medicine	CORE	20	48.4	24.2	24.2	125.2	242	24.2
MC 510	Community health	CORE	20	48.4	24.2	24.2	125.2	242	24.2
ME 510	Research Data analysis and Reporting	CORE	20	21.2	10.6	10.6	43.6	106	10.6

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 9 & 10: 131.6 Credits									
MY 410	Psychiatry	CORE	10	26.32	13.16	13.16	68.96	131.6	13.16
MA 410	Anaesthesiology and Critical care Medicine	CORE	10	26.32	13.16	13.16	68.96	131.6	13.16
OP 410	Ophthalmology	CORE	10	26.32	13.16	13.16	68.96	131.6	13.16
EM 410	Emergency Medicine	CORE	10	26.32	13.16	13.16	68.96	131.6	13.16
MS 410	Surgery	CORE	10	26.32	13.16	13.16	68.96	131.6	13.16
IM 410	Internal Medicine	CORE	10	26.32	13.16	13.16	68.96	131.6	13.16
MG 410	Obstetrics and Gynaecology	CORE	10	26.32	13.16	13.16	68.96	131.6	13.16
MH 410	Paediatrics and Child Health	CORE	10	26.32	13.16	13.16	68.96	131.6	13.16
OL 410	Otorhinolaryngology	CORE	10	26.32	13.16	13.16	68.96	131.6	13.16
OT 410	Orthopaedics, Traumatology and Neurosurgery	CORE	10	26.32	13.16	13.16	68.96	131.6	13.16

2.2.3. Examination Regulations for the MD Programme

- 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.
- 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. There shall be at least two continuous assessment tests (CA) and regular assessment of competencies for each module/modular course taught during each semester. The field reports shall also be marked and graded as part of CA where applicable. The CA tests (CAT) and the regular assessment of competencies or Formative Assessment (FA) shall all constitute the CA. The final examination at the end of module/modular course shall constitute the Summative Assessment (SA).
 - iv. The CA shall contribute 50% of the final grade in the end of module/ modular course university examinations. The CA and SA shall consist of written (essays/short answer questions, MCQs, quizzes, field reports, assignments, presentations and other similar written assessments) and practical/clinical components (global observation and rating of live/ recorded performances, procedures and logbooks, OSPE, OSCE and other similar practical assessments) using appropriate assessment tools. For pre- clinical courses, the final grade will constitute 50% of CA and 50% of SA/ FE and the pass mark shall be 50%. For clinical courses the proportional contribution for written and practical/clinical in SA will be 50% each. The final grade will be determined by the sum of 50% SA/FE and 50% CA which must be passed at C grade or higher. In addition the student will have to pass SA clinical at 50% or above as determined by summation of 40% Clinical CA and 60% Clinical SA. Therefore, in order to pass a course, both the final grade and the summed practical/clinical CA and SA must be passed separately.
 - v. 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) in October, before the start of new Academic year for Semester 1- 4 and when next offered for Semester 5-10.
 - vi. A candidate who obtains a GPA of less than 1.6 shall be discontinued from studies.
 - vii. 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.
 - viii. A candidate who fails in a first supplementary examination in basic sciences (Semester 1-2) 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) in October provided the GPA is 1.8 or higher. A candidate who fails the second supplementary in basic sciences shall be discontinued from studies.

- ix. No candidate shall be allowed to progress to semester 5 unless and until he/ she has passed all course modules in semesters 1 to 4 of the programme.
- x. A candidate who fails the first supplementary examination during semesters 3 and 4 shall be allowed to freeze registration and appear for another supplementary examination when next offered provided she/he has a GPA of 1.8. In this case, 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.
- xi. 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 CA and 60% from the final examination (SA)] and the combined contribution by written and clinical examinations separately as per regulation (v) above
- xii. 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.
- xiii. 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 shall be half the duration of that rotation. The student who fails first supplementary rotation examination will repeat a full rotation and pass the supplementary examination before he/she can be considered to have completed the semester. For rotations which are 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 before proceeding to semester 10 or completion of studies provided that the maximum tenure of 14 semesters is not exceeded.
- xiv. A candidate with incomplete course work in any semester will not be allowed to sit for end of module or rotation examination.
- xv. A candidate who passes a supplementary examination shall be awarded a “C” grade equivalent to 2.0 grade points.
- xvi. Progression to semester 9 and 10 is subject to completion of clinical rotations, submission of a satisfactory elective research proposal, completing rotations and passing University examinations for semester 7 and 8.
- xvii. 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 to sit for the final examination.
- xviii. No student will be allowed to graduate if he/she has not completed all fieldwork assignments and submitted relevant and satisfactory reports.
- xix. A student shall be awarded the MD degree after passing all prescribed courses

in the MD programme.

2.2.4. 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: -

Letter grade	A	B+	B	C*	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	39 - 0%

* Pass mark

2.2.5. Bachelor of Science in Diagnostic and Therapeutic Radiography (BSc RAD) Degree Programme- MH008

The BSc. RAD programme aims at training students in diagnostic and therapeutic radiography technologies. The duration of study will be eight semesters in four years. 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 to eighth semester students will do practical rotations in discipline specific courses and research work.

2.2.6.BSc. RAD Degree Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
AN 100	Gross Anatomy and Histology	CORE	109	24	44	24	100	301	30.1
BC 103	Biochemistry & Molecular Biology	CORE	80	10	5	5	100	200	20.0
IT 101	ICT & Communication Skills	CORE	30	5	5	5	35	80	8.0
PF 110	Professionalism & Ethics in Health and Research	CORE	10	10	10	20	27	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 2: 65.8 Credits

PH 100	Physiology	CORE	170	-	10	10	40	230	23.0
RP 105	Radiation Physics	CORE	60	15	10	20	25	130	13.0
RB 105	Radiobiology	CORE	50	5	5	-	40	100	10.0
CI 105	Cross-sectional Imaging Anatomy	CORE	40	10	10	28	50	138	13.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 3: 65.8 Credits

HS 201	Health Systems and Development	CORE	59	15	15	19	-	108	10.8
EQ 205	Radiography, Radiotherapy, and Nuclear Medicine Equipment	CORE	50	10	10	10	60	140	14.0
MP 200.01	Principles of Pathology	Core	40	5	-	5	50	100	10.0
MP 200.02	Haematology and Blood Transfusion	Core	15	8	5	5	17	50	5
NM 205	Nuclear Medicine	CORE	30	30	10	10	20	100	10
RA 205	Chest, Skeletal, and Abdominal pelvic radiography	CORE	60	10	10	20	60	160	16

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 4: 65.8 Credits

RP 205	Special Radiographic Procedures and Radio-fluoroscopy	Core	40	20	20	14	85	179	17.9
PR 205	Chest, Skeletal, and Abdominal hematopoietic Radiographic Pathology	CORE	60	15	10	20	65	170	17.0
FO 205	Fundamentals of Oncology	CORE	70	25	15	13	36	159	15.9
US 205	General Ultrasound	CORE	50	10	10	10	70	150	15.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 65.8 Credits									
TP 305	Radiotherapy treatment planning	CORE	60	10	10	27	80	187	18.7
PR 305	Abdomen, Pelvis, and CNS Radiographic Pathology	CORE	60	15	10	15	89	189	18.9
US 305	Small parts Ultrasound and Echocardiography	CORE	30	20	15	21	88	174	17.4
ER 200	Epidemiology, Biostatistics and Research Methods	CORE	70	10	10	5	12	108	10.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 65.8 Credits									
TD 305	Radiotherapy delivery	CORE	50	15	30	74	100	269	26.9
CT 305	CT Imaging techniques and protocols	CORE	20	20	20	15	60	135	13.5
MR 305	MR Imaging techniques and protocols	CORE	20	20	20	15	60	135	13.5
ME 310	Research Proposal Development		10	10	5	5	20	50	5.0
MT 300	Management and entrepreneurship	CORE	42	0	10	17	0	69	6.9

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 7: 65.8 Credits									
BR 405	Brachytherapy	CORE	30	10	10	34	70	154	15.4
OM 405	Oral radiography and mammography	CORE	30	15	15	30	60	150	15
TP 405	Radiotherapy Treatment Planning and Nuclear Imaging Practice	CORE	-	10	5	12	150	177	17.7
DR 405	Radiography and ultrasound practice	CORE	-	10	5	12	150	177	17.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 8: 65.8 Credits									
FW 405	Radiography and Radiotherapy Field Work	CORE	0	10	20	10	120	160	16.0
RR 405	Research Data analysis and Reporting	CORE	0	6	5	14	43	68	6.8
RD 405	Radiotherapy Delivery and Radionuclide therapy practice	CORE	0	20	5	10	180	215	21.5
TD 405	Computed Tomography and Magnetic Resonance Imaging Technologies	CORE	-	20	5	10	180	215	21.5

2.2.7. Examination regulations for BSc. RAD programme

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.

- i. The BSc RAD is an eight (8) semester programme with the maximum tenure of 10 semesters.
- ii. Registration of full-time student shall be once at the beginning of each semester.
- iii. 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).
- iv. The CA shall contribute 50% of the final grade in the end of module/
modular course university examinations.
- v. The CA shall contribute 50% of the final grade in the end of module/
modular course university examinations.
- vi. The CA and SA shall consist of written (essays/short answer questions, MCQs, quizzes, field reports, assignments, presentations and other

- similar written assessments) and practical/clinical components (global observation and rating of live/recorded performances, procedures and logbooks, OSPE, OSCE and other similar practical assessments) using appropriate assessment tools. For pre-clinical courses, the final grade will constitute 50% of CA and 50% of SA/FE and the pass mark shall be 50%.
- vii. For clinical courses the proportional contribution for written and practical/clinical in SA will be 50% each. The final grade will be determined by the sum of 50% SA/FE and 50% CA which must be passed at C grade or higher. In addition, the student will have to pass SA clinical at 50% or above as determined by summation of 40% Clinical CA and 60% Clinical SA. Therefore, in order to pass a course both the final grade and the summed practical/clinical CA and SA must be passed separately.
 - viii. A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.
 - ix. A candidate who passes the examination with a C grade or higher will be declared to have passed the examination.
 - x. A candidate who scores a GPA of 1.6 or higher, but fails in two course(s) or less shall be required to supplement the failed modules in the course(s) in October, before the start of new academic year for Semester 1 to 4 and when next offered for semester 5 to 8.
 - xi. A candidate who obtains a GPA of less than 1.6 shall be discontinued from studies.
 - xii. A candidate who fails three or more courses in any semester or in the audit year during semesters one (1) to four (4), shall be discontinued from studies regardless of GPA.
 - xiii. A candidate who fails a first supplementary examination during semester one (1) to two (2) shall be allowed to carry-over the failed module(s) to the next academic year and appear for a second supplementary examination in the failed module(s) of the respective course(s) in October provided the GPA is 1.8 or higher.
 - xiv. A candidate who fails the second supplementary examination in semesters one (1) to 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.
 - xv. No candidate shall be allowed to progress to semester 5 unless and until he/she has passed all course modules in semesters 1 to 4 of the programme.
 - xvi. No candidate shall be allowed to proceed to semester 7, before clearing all the modules/courses in the semesters 5 to 6 courses.
 - xvii. A candidate who fails the second supplementary examination in semesters 5 to 8 shall be allowed to supplement the failed courses when next offered provided the maximum tenure of 10 semesters is not exceeded.

- xviii. A candidate who fails the first supplementary examination in semesters 3 and 4 shall be allowed to freeze registration and appear for second supplementary examination when next offered provided she/he has a GPA of 1.8. In this case, 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
- xix. 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.
- xx. A candidate who passes a supplementary examination at any level shall be awarded a “C” grade equivalent to 2.0 grade points.
- xxi. A student shall be awarded the BSc RAD degree after passing all prescribed courses in the programme.
- xxii. BSc RAD is a classified degree.

2.2.8. Grading and Classification of BSc. RAD Degree Programme

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: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	39 - 0%

* *Pass mark*

2.2.9. Bachelor of Biomedical Engineering (BBME)- MH014

The degree of Bachelor of Biomedical Engineering (BBME) is a professional undergraduate degree programme jointly offered by MUHAS and Mbeya University of Science and Technology (MUST). It envisages producing graduates, who are able to design, develop, configure and maintain medical devices, equipment and fabricating spares and replacements for disposable fittings such as rubber tubing. The graduates of BBME degree programme, are expected to apply biomedical sciences, computer science, mathematical, mechanical, electronics and electrical engineering principles to trouble shoot, assess quality, repair and develop biomedical products.



A studying facility for BBME students

2.2.3.2 BBME Degree Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 79.1 Credits									
BME 101	Mathematical Analysis	CORE	40	20	10	10	20	100	10.0
BME 102	Introduction to Biomedical Engineering	CORE	2.5	20	5	2.5	10	40	4.0
AN 100	Anatomy	CORE	109	24	44	24	100	301	30.1
BC 100	Biochemistry	CORE	80	10	5	5	100	200	20
BME 106	Computer Programing Languages	CORE	20	10	10	10	20	70	7.0
IT 110	ICT and Communication skills	CORE	30	5	5	5	35	80	8.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 78.0 Credits									
BME 108	Lin. Alg and Adv Calc, Diff Eqns & Numerical Analysis	CORE	30	20	10	15	15	90	9.0
BME 109	General Physics	CORE	30	10	10	10	20	80	8.0
BME 110	Engineering Materials	CORE	20	10	10	5	5	50	5.0
BME 111	Fundamentals of Elect/ Mech Engineering	CORE	20	30	10	20	10	90	9.0
BME 112	Engineering Drawing	CORE	30	20	10	10	20	90	9.0
BME 113	Electrical Workshop Technology	CORE	5	10	5	20	40	80	8.0
BME 114	Mechanical Workshop Technology	CORE	10	10	10	10	40	80	8.0
PH 100	Basic Physiology	CORE	170	-	10	10	40	230	23.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 66.0 Credits = 76 per Dr Sabina									
BME 115	Industrial Practical Training I	CORE	10	10	10	10	60	100	10.0
BME 201	Coordinate Geometry	CORE	20	20	10	10	10	70	7.0
BME 202	Signals and Systems	CORE	30	20	10	20	20	100	10.0
BME 203	Applied Physics	CORE	30	-	10	10	20	90	9.0
BME 204	Strength of Materials	CORE	20	20	10	10	10	70	7.0
BME 205	Fundamental of Electronics Engineering	CORE	30	20	10	20	20	100	10.0
BME 206	Computer Aided Engineering	CORE	20	10	10	10	30	80	8.0
BME 207	Fundamentals of Logic Control	CORE	30	20	10	10	10	80	8.0
BME 208	Electrical Machines	CORE	20	10	10	20	10	70	7.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 60.0 Credits									
BME 209	Technical Communication	CORE	20	5	5	10	-	40	4.0
BME 210	Measurement and Instrumentation	CORE	20	10	10	10	10	60	6.0
BME 211	Fluid Mechanics	CORE	20	10	10	20	10	70	7.0
BME 212	Control Systems Engineering	CORE	20	10	10	20	10	70	7.0
BME 213	Digital Electronics	CORE	30	10	10	20	30	100	10.0
BME 214	Thermodynamics	CORE	20	10	10	20	10	70	7.0
BME 215	Microprocessor	CORE	24	10	10	5	5	50	9.0
BME 216	Embedded System Design	CORE	20	10	10	30	40	100	10.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 67.0 Credits									
BME 217	Industrial Practical Training II	CORE	10	10	10	30	40	100	10.0
BME 301	Differential Equations and Numerical Analysis	CORE	20	20	10	10	10	70	7.0
BME 302	Digital Signal Processing	CORE	30	20	10	20	10	90	9.0
MI201.02	Medical Immunology	CORE	20	3	10	10	-	43	4.3
BME 303	Graphical Programming	CORE	30	10	10	10	40	100	10.0
BME 304	Biomaterials	CORE	30	10	10	20	20	90	9.0
BME 305	Fundamental of Biomedical Instrumentations	CORE	20	40	10	10	40	120	12.0
PF 110	Professionalism & Ethics in Health and Research	CORE	10	10	10	20	27	77	7.7
BME 307	Health Information System 20 10 10 20 20 80 8	CORE	20	10	10	20	20	80	8.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 64.2 Credits									
BME 303	Graphical Programming	CORE	30	10	10	10	40	100	10.0
BME 306	Static and Dynamic of Biological Fluids	CORE	30	20	10	30	10	100	10.0
BME 310	Biomechanics	CORE	30	10	10	20	10	80	8.0
BME 311	Application of Biomedical Instrumentation	CORE	20	40	10	10	40	120	12.0
BME 312	Genetics and Biotechnology	CORE	20	10	10	10	10	60	6.0
BME 313	Law for Engineers	CORE	30	10	10	10	-	60	6.0
CP200.01	General Principles and Chemotherapy	CORE	34	40	8	10	30	122	12.2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 7: 76.8 Credits

BME 309	Ergonomics	CORE	30	20	10	10	10	80	8.0
BME 315	Industrial Practical Training III	CORE	10	10	10	30	40	100	10.0
HS 201	Health System and Development Core	CORE	59	15	15	19	-	108	10.8
BME 401	Development of Medical devices	CORE	30	10	10	20	20	90	9.0
BME 403	Rehabilitation technology	CORE	30	10	10	30	20	100	10.0
BME 404	Medical Imaging System	CORE	20	20	10	10	10	70	7.0
BME 406	Research Project I	CORE	20	5	5	20	170	220	22.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 8: 65.9 Credits

BME 408	Microsystem Technology	CORE	20	10	10	5	5	50	5.0
BME 409	Biomedical Automation and Robotics	CORE	30	20	10	20	10	100	10.0
BME 410	Quality Assurance in Medical Devices	CORE	20	10	10	5	5	50	5.0
MT301	Management and Entrepreneurship for Biomedical Engineers	CORE	42	-	10	17	-	69	6.9
BME 412	Environment and Safety Engineering	CORE	30	10	10	15	5	70	7.0
BME 413	Research Project II	CORE	20	10	10	10	270	320	32.0

2.2.10. Examination Regulations for the BBME 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 BBME is an 8-semester degree programme and the maximum tenure is 10 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 shall constitute the Formative Assessment (FA) whereas the end of module assessment shall constitute the SA.
- v. The FA shall constitute 50% of the final grade in the end of module/modular course University examinations.
- vi. The FA and SA shall consist of written (MCQ, Short Essays, Long essays, quizzes, graded field reports, graded assignments, graded presentations and other similar written assessments), 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. 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.
- xi. A candidate who passes the examination with a C grade or higher will be declared to have passed the examination.
- xii. A candidate who scores a GPA of 1.6 or higher, but fails in two course(s)

or less shall be required to supplement the failed modules in the course(s) in October, before the start of new Academic year for Semester 1 – 4 and when next offered for Semester 5 – 8.

- xiii. A candidate who fails the first supplementary during semesters one (1) to two (2) shall be allowed to carry-over and proceed to the next semester and sit for a second supplementary in the failed modules, when next offered provided that he/she obtains a GPA of 1.8 or more during the first supplementary.
- xiv. A candidate who fails the first supplementary examination in semesters 3 and 4 shall be allowed to freeze registration and appear for another supplementary examination when next offered provided she/he has a GPA of 1.8. In this case, the maximum freezing period shall be 2 semesters.
- xv. A student who fails to clear the failed modules/courses within the two semesters shall be discontinued
- xvi. 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.
- xvii. A candidate who fails the second supplementary examination in semesters 5 to 8 shall be allowed to supplement the failed courses when next offered provided the maximum tenure of ten (10) semesters is not exceeded.
- xviii. To progress to semester 7, the candidate must pass of courses in semester five (5) and semester six (6)
- xix. A candidate who passes a supplementary examination at any level shall be awarded a “C” grade equivalent to 2.0 grade points.
- xx. A candidate failing the final research project examination in semester 8 shall be allowed to resubmit a complete research project report for re-examination within the time specified by the examiners provided the maximum tenure of ten (10) semesters is not exceeded.
- xxi. A candidate will be awarded the BBME degree after passing all the prescribed courses in the programme including the research project.
- xxii. The BBME degree shall be classified.

2.2.11. Grading and Classification of BBME Degree Programme

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: -

Letter grade	A	B+	B	C*	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 - 75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	39 - 0%

**Pass mark*

MUHAS Students and Surgical Team in a Clinical Practical Session



MUHAS students and Junior Surgeons from surgical team in a clinical practical session under supervision of senior surgeons

2.2.12. Bachelor of Science (BSc.) in Physiotherapy Programme - MH016

The Bachelor of Science in Physiotherapy (BSc. Physiotherapy) programme consists of a training that lasts for eight semesters. The first four semesters are mainly devoted to lectures and practical sessions in basic sciences. In the third and fourth semesters students will attend lectures, applied research methods and undertake practical/clinical rotations. In the fifth to eighth semesters, students will receive practical/clinical training, research and field work.

2.2.13. BSc Physiotherapy Degree Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
AN 100	Gross Anatomy and Histology	CORE	109	24	44	24	100	301	30.1
BC 100	Biochemistry and Molecular Biology	CORE	80	10	5	5	100	200	20.0
IT 110	ICT and Communication skills	CORE	30	5	5	5	35	80	8.0
PF 110	Professionalism and ethics in Health and Research	CORE	10	10	10	20	27	77	7.7

Cours e code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignmen t (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credit s
Semester 2: 65.8 Credits									
AN 110	Dissectional Anatomy and Embryology	CORE	39	10	20	30	145	244	24.4
PH 100	Physiology	CORE	170	-	10	10	40	230	23.0
BS 110	Behavioural science	CORE	100	25	-	-	-	125	12.5
PT 220	Basic Movement science	CORE	36	10	3	-	10	59	5.9

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.98 Credits									
HS 201	Health System and Development	CORE	68	15	10	10	5	108	10.8
MI 201	Introduction to microbiology and immunology	CORE	80	8	6	9	100	203	20.3
ER 201	Epidemiology, Biostatistics & research Methods	CORE	70	10	10	5	12	108	10.8

PE 200	Introduction to parasitology and entomology	CORE	30	10	10	20	50	120	12.0
MP 200.01	Principles Of Pathology	CORE	35	5	5	5	50	100	10.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 65.8 Credits									
PT 211	Physiotherapy techniques	CORE	30	10	10	15	80	145	14.5
PT221	Basic patient care	CORE	36	6	3	-	10	55	5.5
PT 202	Junior Physiotherapy Clinical rotations	Core	50	10	-	-	50	110	11.0
CP 200	Basic and clinical pharmacology	CORE	70	80	17	21	60	248	24.8
PT 222	Ergonomics and Kinesiology	CORE	50	20	5	5	20	100	10.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 65.8 Credits									
CP 300	Child Health and Adolescence Physiotherapy	CORE	60	40	5	5	150	260	26.0
DR 300	Diagnostic radiography	CORE	70	10	4	-	70	154	15.4
MT 300	Medical exercise therapy	CORE	80	10	10	10	130	244	24.4

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 65.8 Credits									
MT 301	Management and entrepreneurship	CORE	42	0	10	17	0	69	6.9

ME 310	Research Proposal Development	CORE	10	10	5	5	20	50	5.0
PT 321	Disability and rehabilitation	CORE	30	51	25	19	120	245	24.5
PT 325	Public/ Community Health	CORE	10	30	4	4	70	118	11.8
PT 302	Intermediate Clinical Rotation	CORE	6	15	-	5	150	176	17.6

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 7: 65.8 Credits									
PT 401	Critical and palliative care	CORE	Core	24	25	12	12	70	143
PT 400	Research project	Core	16	10	10	30	60	126	12.6
PT 402	Health management and administration	CORE	18	30	10	15	60	133	13.3
PT 404	Field work practicum	CORE	0	0	0	0	256	256	25.6

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 8: 65.8 Credits									
PT 405	Advanced Movement science & Sports physiotherapy	CORE	20	6	4	5	10	45	4.5
PT 408	Applied physiotherapy: neurology	CORE	20	6	4	5	10	45	4.5
PT 407	Clinical attachment	CORE	-	20	25	36	60	141	14.1
PT 410	Research project	CORE	0	113	0	21	300	427	42.7

2.2.14. Examination regulations for BSc. Physiotherapy 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 BSc Physiotherapy is an eight (8) semester programme with the maximum tenure of ten (10) 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 CA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.
- (vi) The CA shall contribute 50% of the final grade in the end of module/modular course university examinations.

The CA and SA shall consist of written (essays/short answer questions, MCQs, quizzes, field reports, assignments, presentations and other similar written assessments) and practical/clinical components (global observation and rating of live/recorded performances, procedures and logbooks, OSPE, OSCE and other similar practical assessments) using appropriate assessment tools. For pre-clinical courses, the final grade will be constituted by 50% of CA and 50% of SA/ FE and the pass mark shall be 50%.

For clinical courses the proportional contribution for written and practical/ clinical in SA will be 50% each. The final grade will be determined by the sum of 50% SA/FE and 50% CA which must be passed at C grade or higher. In addition, the student will have to pass SA clinical at 50% or above as determined by summation of 40% Clinical CA and 60% Clinical SA. Therefore, in order to pass a course both the final grade and the summed practical/clinical CA and SA must be passed separately.

- (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 two course(s) or less shall be required to supplement the failed modules in the course(s) in October, before the start of new academic year for Semester 1 to 4 and when next offered for semester 5 to 8.
- (x) A candidate who obtains a GPA of less than 1.6 shall be discontinued from studies.
- (xi) A candidate who fails three or more courses in any semester or in the audit year during semesters one (1) to four (4), shall be discontinued from studies regardless of GPA.
- (xii) A candidate who fails in a first supplementary examination during semester one (1) to two (2) 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) in October provided the GPA is 1.8 or higher.

- (xiii) A candidate who fails the second supplementary examination in semesters one (1) to 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.
- (xiv) A candidate who fails the second supplementary examination in semesters 5 to 8 shall be allowed to supplement the failed modules/modular courses when next offered provided the maximum tenure of ten (10) semesters is not exceeded.
- (xv) No candidate shall be allowed to proceed to semester 5, before clearing all the modules in the semesters 1 to 4 courses.
- (xvi) No candidate shall be allowed to proceed to semester 7, before clearing all the modules in the semesters 5 and 6 courses.
- (xvii) A candidate who has the first supplementary examination in semesters 3 and 4 shall be allowed to freeze studies and appear for another supplementary examination when next offered provided she/he has a GPA of 1.8. In this case, the maximum freezing period shall be 2 semesters. A student who fails to clear the failed modules/modular courses within the two semesters shall be discontinued.
- (xviii) A candidate shall not be considered to have passed any module/ modular course unless and until he/she has passed the practical components of the examination, whereby 50% is from CAT and 50% from the final assessment (SA).
- (xix) A candidate who passes a supplementary examination shall be awarded a “C” grade equivalent to 2.0 grade points.
- (xx) A student shall be awarded the BSc Physiotherapy degree after passing all prescribed courses in the programme.
- (xxi) BSc Physiotherapy is a classified degree.

2.2.15. Grading and Classification of BSc. Physiotherapy Degree Programme

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: -

Letter grade	A	B+	B	C*	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 - 75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	39 - 0%

*Pass mark

2.2.16. Bachelor of Medical Laboratory Sciences (BMLS) Degree Programme

The Bachelor of Medical Laboratory Sciences Programme consists of a training that lasts for six semesters. The first two semesters are devoted to lectures and practical in basic sciences. In the third and fourth semesters students will attend lectures, applied research methods and undertake practical in various laboratory science disciplines. In the fifth and sixth semesters students will receive practical training as well as research experience and will be required to develop research proposal and undertake fieldwork.

2.2.17. BMLS Degree Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
AN 100	Gross Anatomy and Histology	CORE	109	24	44	24	100	301	30.1
BC 100	Biochemistry and Molecular Biology	CORE	80	10	5	5	100	200	20.1
IT 110	ICT and Communication skills	CORE	30	5	5	5	35	80	8.0
PF 110	Professionalism and ethics in Health and Research	CORE	10	10	10	20	27	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 65.8 Credits									
BS 100	Behavioural Sciences	CORE	100	25	-	-	-	125	12.5
PH 100	Physiology	CORE	170	-	10	10	40	230	23.0

LM 100	Medical Laboratory Practice	CORE	69.4	-	13.6	13.6	69.4	166	16.6
CC 104	Clinical Chemistry	CORE	55	7	6	26	43	137	13.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 3: 65.8 Credits

MI 201	Microbiology/ Immunology	CORE	80	8	6	9	100	203	20.3
PE 200	Parasitology and entomology	CORE	30	10	10	20	50	120	12.0
MP 200.01	Pathology Principles	CORE	35	5	5	5	50	100	10.0
MP200.02	Haematology and Blood Transfusion	CORE	10	8	5	5	22	50	5.0
ER 200	Epidemiology, Biostatistics & research Methods	CORE	81	5	10	10	10	116	11.6
HS 201	Health System and Development	CORE	59	15	15	19	-	108	10.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 4: 65.8 Credits

HC 200	Histotechnology and Cytology	CORE	49	20	11	15	93	188	18.8
MT 200	Management and Entrepreneurship	CORE	43	10	6	10	-	69	6.9
LM 200	Laboratory Management	CORE	110	32	19	20	40	221	22.1
FT 200	Forensic Science and Toxicology	CORE	47	8	5	18	52	130	13.0
ME 210	Research proposal development	CORE	10	10	5	5	20	50	5.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 5 & 6: 131.6 Credits

LM 305	Medical laboratory practice in Microbiology and Immunology	CORE	-	33	6	6	139	184	18.4
LM 307	Medical Laboratory practice in Parasitology and Entomology	CORE	17.5	17.5	17.5	17.5	114	184	18.4
LM 303	Medical Laboratory practice in Haematology and Blood Transfusion	CORE	30	33	6	10	105	184	18.4
LM 304	Medical Laboratory practice in Clinical Chemistry	CORE	61	5	11	17	90	184	18.4
LM 305	Medical Laboratory practice in Histotechnology, Cytology	CORE	45	22	7	10	100	184	18.4
LM 306	Medical Laboratory practice in Molecular Diagnostics	CORE	18	18	18	18	112	184	18.4
RP 302	Research, data analysis and reporting	CORE	-	-	12	60	-	72	7.2
FW 300	Field Work	CORE	-	-	10	-	130	140	14.0

2.2.17.1. Examination regulations for BMLS 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.

The BMLS is a six (6) semester programme with the maximum tenure of

- ii. 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).

The CA shall contribute 50% of the final grade in the end of module/

modular course/rotation university examinations. The CA and SA shall consist of written (essays/short answer questions, MCQs, quizzes, field reports, assignments, presentations and other similar written assessments) and practical/clinical components (global observation and rating of live/recorded performances, procedures and logbooks, OSPE, and other similar practical assessments) using appropriate assessment tools. The proportional contribution for written and practical/clinical in SA will be 50% each. The final grade will be determined by the sum of 50% SA/FE and 50% CA which must be passed at C grade or higher. In addition, the student will have to pass SA practical/clinical at 50% or above as determined by summation of 40% practical/clinical CA and 60% practical/clinical SA. Therefore, in order to pass a course both the final grade and the summed practical/clinical CA and SA must be passed separately

- v. A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.
- vi. A candidate who passes the examination with a C grade or higher will be declared to have passed the examination.
- vii. A candidate who scores a GPA of 1.6 or higher, but fails in two course(s) or less shall be required to supplement the failed modules in the course(s) in October, before the start of new academic year for Semester 1 to 4 and when next offered for semester 5 to 6.
- viii. A candidate who obtains a GPA of less than 1.6 shall be discontinued from studies.
- ix. 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.
- x. A candidate who fails three or more courses in any semester or in the audit year during semesters three (3) to four (4), shall be allowed to supplement in October provided he/she obtains a GP of 1.6 or higher.
- xi. A candidate who fails in a first supplementary examination during semesters one (1) to two (2) 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) in October provided the GPA is 1.8 or higher.
- xii. A candidate who fails the second supplementary examination in semesters one (1) to 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.
- xiii. A candidate who fails the second supplementary examination in semesters

- 5 to 6 shall be allowed to supplement the failed courses when next offered provided the maximum tenure of eight (8) semesters is not exceeded.
- xiv. No candidate shall be allowed to proceed to semester 5, before clearing all the modules in the semesters 1 to 4 courses.
 - xv. A candidate who has the first supplementary examination in semesters 3 and 4 shall be allowed to freeze studies and appear for second supplementary examination when next offered provided she/he has a GPA of 1.8. In this case, 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.
 - xvi. 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 CAT and 50% from the final assessment.
 - 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 student shall be awarded the BMLS degree after passing all prescribed courses in the programme.
 - xix. BMLS is a classified degree.

2.2.18. Grading and Classification of BMLS Degree Programme

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: -

Letter grade	A	B+	B	C*	D		E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5		1.4 - 0.0
Marks %	100 - 75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	0.	- 0%

* *Pass mark*

2.2.19. BSc. Audiology and Speech Language Pathology Programme - MH018

The Bachelor of Science in Audiology and Speech Language Pathology (BSc. ASLP) Programme consists of a training that lasts for eight semesters. The first semester is mainly devoted to lectures and practical in basic sciences and research principles. In the remaining semesters students will attend lectures, and undertake practical/clinical rotations.

2.2.6.1. BSc. ASLP Degree Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
SC 100	Communication Sciences	CORE	50	10	15	15	40	130	13.0
PF 110	Professionalism and ethics in Health and Research	Core	10	10	10	20	27	77	7.7
IT 110	ICT & Communication skills	CORE	30	5	5	5	35	80	8.0
PA 100	Anatomy and Physiology of Speech and Hearing	CORE	50	12	15	10	50	137	13.7
LP 100	Linguistics and Phonetics	CORE	60	5	10	15	30	120	12.0
EA 100	Electronics and Acoustics	CORE	50	10	15	15	14	104	10.4

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 65.8 Credits									
OL 101	Otolaryngology	CORE	50	5	5	5	5	70	7
NR 101	Neurology	CORE	65	5	15	3	12	100	10.0
CP 101	Clinical Psychology	CORE	50	5	10	10	24	99	9.9
SP 101	Speech Language Pathology	CORE	69	25	15	10	75	194	19.4
AD 101	Audiology	CORE	45	25	3	8	74	155	15.5
HE 101	Human Rights and Environment	CORE	37	-	-	3	-	40	4.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 65.8 Credits									
NH 200	Noise and Hearing Conservation	CORE	40	18	10	10	10	88	8.8
VD 200	Voice and its Disorders	CORE	30	10	10	10	28	88	8.8
SD 200	Speech Sound Disorders	CORE	30	10	10	10	28	88	8.8

DB 200	Diagnostic Audiology Behavioural Tests	CORE	30	10	10	10	36	96	9.6
AL 200	Amplification Devices	CORE	20	10	10	15	31	90	9
HS 201	Health System and Development	Core	60	15	10	10	5	100	10
ER 201	Epidemiology Biostatistics & research Methods	Core	70	10	10	5	12	108	10.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 65.8 Credits									
SD 201	Motor Speech Disorders in Children	CORE	60	20	22	20	30	152	15.2
LD 201	Language Disorders in Children	CORE	60	20	22	20	30	152	15.2
PD 201	Diagnostic Audiology: Physiological Tests	CORE	40	40	17	15	65	177	17.7
ID 201	Implantable Hearing devices	CORE	40	40	12	20	65	177	17.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 65.8 Credits									
SS 400	Structural Anomalies and Speech Disorders	CORE	60	10	10	10	29	119	11.9
FL 400	Fluency and its Disorders	CORE	60	10	6	10	30	116	11.6
PA 400	Paediatric Audiology	CORE	50	20	5	10	30	115	11.5
AC 400	Aural Rehabilitation in Children	CORE	30	20	5	10	25	90	9.0
SP 400.1	Clinicals in Speech Language Pathology	CORE	-	20	4	-	90	114	11.4
AD 400.1	Clinicals in Audiology	CORE	-	20	4	-	80	104	10.4

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 6: 65.8 Credits

MD 500	Motor Speech Disorders in adults	CORE	60	10	20	15	5	110	11.0
LD 500	Language Disorders in adults	CORE	60	10	20	15	5	110	11.0
AA 500	Aural Rehabilitation in Adults	CORE	40	30	15	10	40	135	13.5
AU 500	Audiology in Practice	CORE	40	30	8	15	40	133	13.3
SP 500.1	Clinical Attachment in Speech Language Pathology	CORE	-	20	5	10	50	85	8.5
AD 500.1	Clinical Attachment in audiology	CORE	-	20	5	10	50	85	8.5

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 7: 65.8 Credits

RP 600	Research Project	CORE	60	10	10	20	150	250	25.5
SP 600.1	Clinical Attachment in Speech and Language Pathology	CORE	-	25	5	10	100	140	14.0
AD 600.1	Clinical attachment in audiology	CORE	-	30	5	10	100	145	14.5
HM 600	Health management and administration	CORE	32	10	13	10	58	123	12.3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 8: 65.8 Credits

SP 700.1	Clinicals in Speech Language Pathology	CORE	-	10	25	14	150	199	19.9
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AD 700.1	Clinicals in audiology	CORE	-	10	20	14	150	194	19.4
RP 600	Research Project	CORE	-	124	10	40	91	265	26.5

2.2.20. Examination regulations for BSc. ASLP 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 BSc. ASLP is an eight (8) semester programme with the maximum tenure of ten (10) 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 CA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations. The CA and SA shall consist of written (essays/short answer questions, MCQs, quizzes, field reports, assignments, presentations and other similar written assessments) and practical/clinical components (global observation and rating of live/recorded performances, procedures and logbooks, OSPE, and other similar practical assessments) using appropriate assessment tools. The proportional contribution for written and practical/clinical in SA will be 50% each. The final grade will be determined by the sum of 50% SA/FE and 50% CA which must be passed at C grade or higher. In addition, the student will have to pass SA practical/clinical at 50% or above as determined by summation of 40% practical/clinical CA and 60% practical/clinical SA. Therefore, in order to pass a course both the final grade and the summed practical/clinical CA and SA must be passed separately
- vi. A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.
- vii. A candidate who passes the examination with a C grade or higher will be declared to have passed the examination.
- viii. A candidate who scores a GPA of 1.6 or higher, but fails in two course(s) or less shall be required to supplement the failed modules in the course(s)

- in October, before the start of new academic year for Semester 1 to 4 and when next offered for semester 5 to 6.
- 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.
 - xi. A candidate who fails three or more courses in any semester or in the audit year during semesters three (3) to four (4), shall be allowed to supplement in October provided he/she obtains a GP of 1.6 or higher.
 - xii. A candidate who fails in a first supplementary examination during semesters one (1) to two (2) 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) in October provided the GPA is 1.8 or higher.
 - xiii. A candidate who fails the second supplementary examination in semesters one (1) to 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.
 - xiv. A candidate who fails the second supplementary examination in semesters 5 to 6 shall be allowed to supplement the failed courses when next offered provided the maximum tenure of eight (8) semesters is not exceeded.
 - xv. No candidate shall be allowed to proceed to semester 5, before clearing all the modules in the semesters 1 to 4 courses.
 - xvi. No candidate shall be allowed to proceed to semester 7 before clearing all the modules in semester 5 and 6.
 - xvii. A candidate who has the first supplementary examination in semesters 3 and 4 shall be allowed to freeze studies and appear for second supplementary examination when next offered provided she/he has a GPA of 1.8. In this case, 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
 - xviii. 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 CAT and 50% from the final assessment.
 - xix. A candidate who passes a supplementary examination at any level shall be awarded a “C” grade equivalent to 2.0 grade points.
 - xx. A student shall be awarded the BSc. ASLP degree after passing all

prescribed courses in the programme.

xxi. BSc. ASLP is a classified degree.

2.2.21. Grading and Classification of BSc.ASLP Degree Programme

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: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	1 - 0%

* *Pass mark*

2.2.22. BSc. Occupational Therapy (BSc. OT) Programme – MH019

The Bachelor of Science in Occupational Therapy (BSc. OT) Programme consists of a training that lasts for eight semesters. The first four semesters are mainly devoted to lectures and practical sessions in basic sciences. In the third and fourth semesters students will attend lectures, applied research methods and undertake practical/clinical rotations. In the fifth to eighth semesters, students will receive practical/clinical training, research and field work.

2.2.23. BSc. OT Degree Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.0 Credits									
AN 110	Anatomy	CORE	109	24	44	24	100	301	30.1
BC 110	Biochemistry and Molecular Biology	CORE	80	10	5	5	100	200	20.0
IT 110	ICT and Communication skills	CORE	30	5	5	5	35	80	8.0
PF 110	Professionalism and ethics in Health Practice	CORE	10	10	10	20	27	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 2: 55.0 Credits

PH 100	Physiology	CORE	170	-	10	10	40	230	23.0
BS100	Behavioural Science	CORE	100	25	-	-	-	125	12.5
OT 100	Foundation of Occupational Therapy practice level I	CORE	50	12	8	15	-	85	8.5
OT 101	Basic Movement Science	CORE	20	10	20	-18	50	118	11.8
OT 102	Basic Life Support	CORE	20	12	18		50	100.0	10

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 3: 68.8 Credits

MP 200.01	Pathology	CORE	35	5	5	5	50	100	10.0
OT 200	Foundation of Occupational Therapy Practice level II	CORE	50	20	10	10	18	118	18.8
OT 201	Clinical Science in Paediatrics	CORE	60	30	15	20	15	140	14.0
OT202	Clinical Science in Psychiatry	CORE	60	30	15	20	15	140	14.0
OT203	Community Health and Rehabilitation	CORE	30	20	10	15	15	90	9.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 4: 65.8 Credits

CP 200.01	Basic and Clinical Pharmacology	CORE	60	10	14	10	30	124	12.2
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OT 208	Foundation to physical dysfunction	CORE	31	15	8	11	13	74	7.4
OT 204	Occupational Therapy Technique level I	CORE	31	11	8	11	13	74	7.4
OT 205	Occupational Therapy in Psychiatry Level I	CORE	31	11	8	11	13	74	7.4
OT 206	Occupational Therapy in Early Development	CORE	-	24	-	-	50	74	7.4
OT 207	Field Placement Level I	CORE		24			216	240	24.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 65.8 Credits									
OT 300	Occupational Therapy in Paediatric Management	CORE	24	12	6	12	6	60	6.0
OT 350	Occupational Therapy in psychiatry Level II	CORE	24	12	6	12	6	60	6.0
ER 201	Epidemiology, Biostatistics & research Methods	CORE	70	10	10	5	12	108	10.8
OT 340	Occupational therapy technique Level II	CORE	24	12	6	12	6	60	6.0
ON 350	Occupational Therapy in Neurology	CORE	18	12	6	6	18	60	6.0
DR 350	Diagnostic Radiography	CORE	40	10	6	10	25	91	9.1
FW 350	Field Placement Level II	CORE	-	24	-	-	195	219	21.9

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 67.0 Credits									
RP 360	Research Proposal Development	CORE	18	12	6	6	18	60	6
OT 360	Occupational Therapy in psychiatry Level III	CORE	18	12	6	6	18	60	6
OD 360	Occupational therapy in Learning Disorders	CORE	70	10	-	-	24	104.0	10.4
TO 360	Occupational therapy in Orthopaedics and Trauma	CORE	70	10	-	-	24	104.	10.4
HS 360	Health Systems and Development	CORE	60	15	10	10	5	100	10
FW 360	Field Placement Level III	CORE	-	24	-	-	218	242	24.2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 7: 65.8. Credits									
OR 470	Research project	CORE	12	10	8	20	70	120	12.0
OT 401	Occupational Therapy in Critical and palliative care	CORE	20	10	6	6	28	70	7.0
OT 470	Occupational Therapy in psychiatry Level IV	CORE	20	10	6	6	28	70	7.0
HM 470	Health Service management, leadership, and Entrepreneurship	CORE	32	10	13	10	58	123	12.3
OT 300	Occupational Therapy in Common Physical Conditions	CORE	20	10	6	6	28	70	7.0
FW 470	Field Placement IV	CORE	-	24	-	-	201	225	22.5

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 8: 65.8 Credits									
OT 480	Occupational Therapy in Psychiatry Level V	CORE	20	10	6	6	28	70	7.0

OT 400	Occupational therapy in Childhood & Adolescence	CORE	20	10	6	6	28	70	7.0
OD 480	Occupational Therapy in Physical Dysfunction Management	CORE	20	10	6	6	28	70	7.0
CP 400	Field elective placement	CORE	9	24	9	18	208	268	26.8
OR 480	Research project	CORE	-	54	-	-	126	180	18.0

2.2.24. Examination regulations for BSc. Occupational Therapy 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 BSc. Occupational Therapy is an eight (8) semester programme with the maximum tenure of ten (10) 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 CA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.
- vi. The CA shall contribute 50% of the final grade in the end of module/modular course university examinations.

The CA and SA shall consist of written (essays/short answer questions, MCQs, quizzes, field reports, assignments, presentations and other similar written assessments) and practical/clinical components (global observation and rating of live/ recorded performances, procedures and logbooks, OSPE, OSCE and other similar practical assessments) using appropriate assessment tools. For pre-clinical courses, the final grade will be constituted by 50% of CA and 50% of SA/FE and the pass mark shall be 50%.

For clinical courses the proportional contribution for written and practical/clinical in SA will be 50% each. The final grade will be determined by

the sum of 50% SA/FE and 50% CA which must be passed at C grade or higher. In addition, the student will have to pass SA clinical at 50% or above as determined by summation of 40% Clinical CA and 60% Clinical SA. Therefore, in order to pass a course both the final grade and the summed practical/clinical CA and SA must be passed separately.

- 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 two course(s) or less shall be required to supplement the failed modules in the course(s) in October, before the start of new academic year for Semester 1 to 4 and when next offered for semester 5 to 8.
- x. A candidate who obtains a GPA of less than 1.6 shall be discontinued from studies.
- xi. A candidate who fails three or more courses in any semester or in the audit year during semesters one (1) to four (4), shall be discontinued from studies regardless of GPA.
- xii. A candidate who fails in a first supplementary examination during semester one (1) to two (2) 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) in October provided the GPA is 1.8 or higher.
- xiii. A candidate who fails the second supplementary examination in semesters one (1) to 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.
- xiv. A candidate who fails the second supplementary examination in semesters 5 to 8 shall be allowed to supplement the failed modules/modular courses when next offered provided the maximum tenure of ten (10) semesters is not exceeded.
- xv. No candidate shall be allowed to proceed to semester 5, before clearing all the modules in the semesters 1 to 4 courses.
- xvi. No candidate shall be allowed to proceed to semester 7, before clearing all the modules in the semesters 5 and 6 courses.
- xvii. A candidate who has the first supplementary examination in semesters 3 and 4 shall be allowed to freeze studies and appear for another supplementary

examination when next offered provided she/he has a GPA of 1.8. In this case, the maximum freezing period shall be 2 semesters. A student who fails to clear the failed modules/modular courses within the two semesters shall be discontinued.

- xviii. A candidate shall not be considered to have passed any module/ modular course unless and until he/she has passed the practical components of the examination, whereby 50% is from CAT and 50% from the final assessment (SA).
- xix. A candidate who passes a supplementary examination shall be awarded a “C” grade equivalent to 2.0 grade points.
- xx. A student shall be awarded the BSc Occupational Therapy degree after passing all prescribed courses in the programme.
- xxi. BSc Occupational Therapy is a classified degree.

2.2.25. Grading and Classification of BSc. Occupational Therapy Degree Programme

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: -

Letter grade	A	B+	B	C*	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	1 - 0%

* *Pass mark*

2.2.26. BSc. Medical Psychology (BSc. MP) Programme – MH021

The Bachelor of Science in Medical Psychology (BSc. MP) programme consists of a training that lasts for eight semesters. Like most other programmes offered under the Campus College of Medicine, the first four semesters of this programme are mainly devoted to lectures and practical sessions in basic sciences. In the third and fourth semesters students will attend lectures, applied research methods and undertake practical/clinical rotations. In the fifth to eighth semesters, students will receive practical/clinical training, research and field work.

2.2.27. BSc. MP Degree Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
AN 110	Anatomy	CORE	109	24	44	24	100	301	30.1
BC 110	Biochemistry and Molecular Biology	CORE	80	10	5	5	100	200	20.0
IT 110	ICT and Communication skills	CORE	30	5	5	5	35	80	8.0
PF 110	Professionalism and ethics in Health Practice	CORE	10	10	10	20	27	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 65.8 Credits									
MP 100	Introduction to Psychology	CORE	17	18	15	62	15	127	12.7
MP 101	Developmental Psychology I	CORE	16	20	15	65	15	131	13.1
MP 102	Social Psychology	CORE	16	15	10	75	15	131	13.1
MP 103	Cognitive Psychology and Learning	CORE	16	15	10	76	20	137	13.7
MP 104	Personality	CORE	16	15	10	76	15	132	13.2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 77.6 Credits									
PH 100	Physiology	CORE	170	-	10	10	40	230	23.0
ER 201	Epidemiology and Biostatistics	CORE	70	10	10	5	12	108	10.8

MP 200	Developmental Psychology II	CORE	12	12	8	54	30	136	13.6
MP 201	Positive Psychology	CORE	15	30	15	30	60	130	13.0
MP 202	Counselling Skills	CORE	16	16	30	40	70	172	17.2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 4: 65.8 Credits

MP 203	Psychological Assessment	CORE	18	20	30	60	80	208	20.8
MP 204	Psychopathology	CORE	25	20	21	45	60	171	17.1
MP 205	Abnormal Psychology	CORE	15	16	20	25	40	116	11.6
MP 206	Ethics and Legal Issues in Psychological Practice	CORE	16	14	15	25	15	85	8.5
MP 207	Biopsychology and Neuropsychology	CORE	17	15	10	20	16	78	7.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 5: 65.8 Credits

MP 300	Introduction to Forensic Psychology	CORE	13	16	6	60	5	100	10
MP 301	Substance Abuse	CORE	15	15	7	60	25	122	12.2
MP 302	Psychopharmacology	CORE	12	14	7	35	8	76	7.6
MP 303	Introduction to Psychological Tests and Measurement (Psychometrics)	CORE	15	20	10	40	60	145	14.5
MP 304	Research Proposal Development	CORE	6	12	9	40	30	97	9.7
MP 305	Clinical Apprenticeship I	CORE	2	-	-	-	116	118	11.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 6: 65.8 Credits

MP 306	Health Psychology	CORE	15	18	8	25	30	96	9.6
MP 307	Loss, Grief, and Bereavement	CORE	15	18	7	20	40	100	10.0
MP 308	Psychotherapy (Psychoeducation, CBT, MI & IPT)	CORE	16	20	12	60	60	168	16.8
MP 309	Clinical Apprenticeship II	CORE	4				290	294	29.4

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 7: 65.8 Credits

MP 400	Child and Adolescent Psychopathology	CORE	16	20	9	48	15	108	10.8
HS 300	Health service management, leadership, and entrepreneurship	CORE	22	-	10	17	20	69	6.9
MP 401	Couple and Family Therapy	CORE	16	20	10	40	32	118	11.8
MP 402	Research Data Analysis and Reporting	CORE	10	8	8	60	20	106	10.6
MP 403	Clinical Apprenticeship III	CORE	4	-	10	40	203	257	25.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 8: 65.8 Credits

MP 404	Industrial and Organizational Psychology	CORE	18	12	6	6	18	60	6.0
MP 405	Mental Health Promotion	CORE	18	12	6	6	18	60	6.0
MP 406	Introduction to Rehabilitation Psychology	CORE	18	12	6	6	18	60	6.0
MP 407	Clinical Apprenticeship IV	CORE	9	24	9	18	216	240	24.0

2.2.28. Examination regulations for BSc. Medical Psychology Programme

- 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 BSc. Medical Psychology is an eight (8) semester programme with the maximum tenure of ten (10) 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 CA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.
- vi. The CA shall contribute 50% of the final grade in the end of module/modular course university examinations.

The CA and SA shall consist of written (essays/short answer questions, MCQs, quizzes, field reports, assignments, presentations and other similar written assessments) and practical/clinical components (global observation and rating of live/ recorded performances, procedures and logbooks, OSPE, OSCE and other similar practical assessments) using appropriate assessment tools. For pre- clinical courses, the final grade will be constituted by 50% of CA and 50% of SA/FE and the pass mark shall be 50%.

For clinical courses the proportional contribution for written and practical/clinical in SA will be 50% each. The final grade will be determined by the sum of 50% SA/FE and 50% CA which must be passed at C grade or higher. In addition, the student will have to pass SA clinical at 50% or above as determined by summation of 40% Clinical CA and 60% Clinical SA. Therefore, in order to pass a course both the final grade and the summed practical/clinical CA and SA must be passed separately.

- 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 two course(s) or less shall be required to supplement the failed modules in the course(s) in October, before the start of new academic year for Semester 1 to 4 and when next offered for semester 5 to 8.

- x. A candidate who obtains a GPA of less than 1.6 shall be discontinued from studies.
- xi. A candidate who fails three or more courses in any semester or in the audit year during semesters one (1) to four (4), shall be discontinued from studies regardless of GPA.
- xii. A candidate who fails in a first supplementary examination during semester one (1) to two (2) 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) in October provided the GPA is 1.8 or higher.
- xiii. A candidate who fails the second supplementary examination in semesters one (1) to 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.
- xiv. A candidate who fails the second supplementary examination in semesters 5 to 8 shall be allowed to supplement the failed modules/modular courses when next offered provided the maximum tenure of ten (10) semesters is not exceeded.
- xv. No candidate shall be allowed to proceed to semester 5, before clearing all the modules in the semesters 1 to 4 courses.
- xvi. No candidate shall be allowed to proceed to semester 7, before clearing all the modules in the semesters 5 and 6 courses.
- xvii. A candidate who has the first supplementary examination in semesters 3 and 4 shall be allowed to freeze studies and appear for another supplementary examination when next offered provided she/he has a GPA of 1.8. In this case, the maximum freezing period shall be 2 semesters. A student who fails to clear the failed modules/modular courses within the two semesters shall be discontinued.
- xviii. A candidate shall not be considered to have passed any module/ modular course unless and until he/she has passed the practical components of the examination, whereby 50% is from CAT and 50% from the final assessment (SA).
- xix. A candidate who passes a supplementary examination shall be awarded a "C" grade equivalent to 2.0 grade points.
- xx. A student shall be awarded the BSc Occupational Therapy degree after passing all prescribed courses in the programme.
- xxi. BSc. Medical Psychology is a classified degree.

2.2.29. Grading and Classification of BSc. Medical Psychology Degree Programme

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: -

Letter grade	A	B+	B	C*	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 - 75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	1 - 0%

* *Pass mark*

2.2.30. BSc. Optometry Programme – MH0XX

The Bachelor of Science in Optometry (BSc. Optometry) programme consists of a training that lasts for eight semesters. The programme's first four semesters are mainly devoted to lectures and practical sessions in basic sciences. In the third and fourth semesters students will attend lectures, applied research methods and undertake practical/clinical rotations. In the fifth to eighth semesters, students will receive practical/clinical training, research and field work.

2.2.31. BSc. Optometry Degree Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
OM 100	Anatomy of head and neck	CORE	50	-	10	20	19	99	9.9
OM 101	Ocular Anatomy	CORE	74	-	38	32	40	184	18.4
OM 102	Physical and geometric optics	CORE	60	60	25	25	20	190	19.0
IT 110	ICT & Communication skills	CORE	30	-	16	28	34	108	10.8
PF 100	Professionalism & Ethics in Health and Research		10	10	10	20	27	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 65.8 Credits									
BC 110	Behavioural science	CORE	100	25	-	-	-	125	12.5
OM 103	Ocular Physiology and Biochemistry	CORE	110	10	14	50	-	184	18.4
OM 104	Introduction to ocular therapeutics	CORE	40	-	9	10	-	59	5.9
OM 105	Introduction to Optometry	CORE	150	10	40	60	30	290	29.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 60.0 Credits									
MI 201	Introduction to microbiology and immunology	CORE	80	8	6	9	100	203	20.3
ER 201	Epidemiology & Biostatistics	CORE	70	10	10	5	12	108	10.8
HS 201	Health Systems and Development	CORE	59	15	15	19	-	108	10.8
OM 201	Professionalism and Optometry Ethics	CORE	79	40	20	15	-	154	18.1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 65.8 Credits									
PS 200	Psychopathology	CORE	25	10	5	10	-	50	5.0
OM 202	Clinical Optometry I: Adult refraction	CORE	120	68	20	100	300	608	60.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 65.8 Credits									
OM 300	Diseases of the Orbit, Adnexa and	CORE	40	20	15	13	40	128	12.8

	Anterior segment								
OM 301	Contact Lenses	CORE	60	20	10	70	180	340	34.0
OM 302	Dispensing Optics	CORE	60	20	10	5	95	190	19.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 6: 65.8 Credits

OM303	Posterior segment, Systemic and neuro-ophthalmology diseases.	CORE	90	48	25	26	50	239	23.9
OM 304	Low Vision and visual Rehabilitation	CORE	80	35	15	20	150	300	30.0
ME 410	Research Proposal Development	CORE	10	10	5	5	20	50	5.0
MT 300	Management and Entrepreneurship	CORE	42	-	10	17	0	69	6.9

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 7: 65.8 Credits

ME411	Research Data analysis and Reporting	CORE	20	21.2	10.6	10.6	43.6	106	10.6
OM400	Clinical Optometry II: Paediatric Optometry and strabismus	CORE	150	60	30	22	170	432	43.2
OM 401	Practice management and jurisprudence (Optometry law)	CORE	60	30	15	15	-	120	12.0

2.2.32. Examination regulations for BSc. Optometry 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 BSc. Optometry is an eight (8) semester programme with the maximum tenure of ten (10) 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 CA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.
- vi. The CA shall contribute 50% of the final grade in the end of module/modular course university examinations.

The CA and SA shall consist of written (essays/short answer questions, MCQs, quizzes, field reports, assignments, presentations and other similar written assessments) and practical/clinical components (global observation and rating of live/ recorded performances, procedures and logbooks, OSPE, OSCE and other similar practical assessments) using appropriate assessment tools. For pre- clinical courses, the final grade will be constituted by 50% of CA and 50% of SA/FE and the pass mark shall be 50%.

For clinical courses the proportional contribution for written and practical/clinical in SA will be 50% each. The final grade will be determined by the sum of 50% SA/FE and 50% CA which must be passed at C grade or higher. In addition, the student will have to pass SA clinical at 50% or above as determined by summation of 40% Clinical CA and 60% Clinical SA. Therefore, in order to pass a course both the final grade and the summed practical/clinical CA and SA must be passed separately.

- 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 two course(s)

or less shall be required to supplement the failed modules in the course(s) in October, before the start of new academic year for Semester 1 to 4 and when next offered for semester 5 to 8.

- x. A candidate who obtains a GPA of less than 1.6 shall be discontinued from studies.
- xi. A candidate who fails three or more courses in any semester or in the audit year during semesters one (1) to four (4), shall be discontinued from studies regardless of GPA.
- xii. A candidate who fails in a first supplementary examination during semester one (1) to two (2) 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) in October provided the GPA is 1.8 or higher.
- xiii. A candidate who fails the second supplementary examination in semesters one (1) to 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.
- xiv. A candidate who fails the second supplementary examination in semesters 5 to 8 shall be allowed to supplement the failed modules/modular courses when next offered provided the maximum tenure of ten (10) semesters is not exceeded.
- xv. No candidate shall be allowed to proceed to semester 5, before clearing all the modules in the semesters 1 to 4 courses.
- xvi. No candidate shall be allowed to proceed to semester 7, before clearing all the modules in the semesters 5 and 6 courses.
- xvii. A candidate who has the first supplementary examination in semesters 3 and 4 shall be allowed to freeze studies and appear for another supplementary examination when next offered provided she/he has a GPA of 1.8. In this case, the maximum freezing period shall be 2 semesters. A student who fails to clear the failed modules/modular courses within the two semesters shall be discontinued.
- xviii. A candidate shall not be considered to have passed any module/ modular course unless and until he/she has passed the practical components of the examination, whereby 50% is from CAT and 50% from the final assessment (SA).
- xix. A candidate who passes a supplementary examination shall be awarded a "C" grade equivalent to 2.0 grade points.

- xx. A student shall be awarded the BSc. Optometry degree after passing all prescribed courses in the programme.
- xxi. BSc. Optometry is a classified degree.

2.2.9.3. Grading and Classification of BSc. Optometry Degree Programme

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: -

Letter grade	A	B+	B	C*	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 - 75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	1 - 0%

*Pass mark

2.2.33. BSc. Prosthetics and Orthotics – MH0XX

The Bachelor of Science in Prosthetics and Orthotics (BSc. PO) programme consists of a training that lasts for eight semesters. The programme's first four semesters are mainly devoted to lectures and practical sessions in basic sciences. In the third and fourth semesters students will attend lectures, apply research methods and undertake practical/clinical rotations. In the fifth to eighth semesters, students will receive practical/clinical training, research and field work.

2.2.34. BSc. Prosthetics and Orthotics Degree Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 75.8 Credits									
PO 100	Introduction to prosthetics and orthotics Science.	CORE	30	8	7	3	2	50	5
PO 101	Basic Biomechanics	CORE	30	8	7	3	2	50	5
AN 100	Gross anatomy and Histology	CORE	109	24	44	24	100	301	30.1
PF 110	Professionalism and Ethics in Health and	CORE	10	10	10	20	27	77	7.7

	Research.								
IT 100	ICT and Communication skills	CORE	30	5	5	5	35	80	8.0
BC 100	Biochemistry and molecular biology.	CORE	80	10	5	5	100	200	20

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 2: 78.0 Credits

PO 106	Orthotics Science Theory.	CORE	36	9	10	9	2	66	6.6
AN 110.04	Dissection anatomy	CORE	30	10	20	15	108	183	18.3
PH 100	Physiology	CORE	170	-	10	10	40	230	23.0
PO 109	Orthotics Science Practical	CORE	10	5	20	10	68	113	11.3
PO 110	Biomechanics	CORE	36	7	8	7	5	63	6.3
BS 100	Behavioural Science.	CORE	100	25	-	-	-	125	12.5
PO 106	Orthotics Science Theory.	CORE	36	9	10	9	2	66	6.6

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 3: 72.1 Credits

PO 200	Orthotic Science Theory	CORE	43	15	15	6	11	90	9.0
PO 201	Biomechanics	CORE	44	15	10	8	2	79	7.9
PO 111	Biomaterials	CORE	36	7	8	7	5	63	6.3
PO 202	Orthotics Science Practical	CORE	20	20	60	22	120	242	24.2
MP 203	Principal pathology	CORE	40	13	21	13	13	100	10
ER 200	Epidemiology biostatistics and Research Methods	CORE	60	5	5	5	10	85	8.5
CAE 205	Computer Aided Engineering design.	CORE	20	7	8	7	20	62	6.2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 4: 55.2 Credits									
PO 206	Prosthetics Science Theory	CORE	30	10	10	8	5	63	6.3
PO 207	Biomechanics	CORE	30	8	8	7	7	60	6.0
PO 208	Prosthetics Science Practical	CORE	5	5	51	5	124	190	19.0
PT 209	Basic Patient care	CORE	25	7	9	7	7	55	5.5
CP 200.01	General Principals and Chemotherapy	CORE	34	40	8	10	30	122	12.2 6.2
PO 211	Integrative Robotics and Electrotechnology.	CORE	32	7	9	7	7	62	

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 5: 74.3 Credits									
PO 300	Prosthetics Science theory	CORE	36	8	10	10	2	66	6.6
PO 301	Biomechanics	CORE	30	7	9	7	7	60	6
PO 302	Prosthetics Science Practical	CORE	10	10	32	5	123	180	18
PO 303	Ergonomics and kinesiology.	CORE	36	10	5	5	10	66	6.6
RO 300	Radiology	CORE	80	20	-	26	25	151	15.1
HS 201	Health system and Development	CORE	50	25	15	10	8	108	10.8
PO 306	Intermediate Clinical Rotation.	CORE	28	7	4	2	71	112	11.2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 6: 65.8 Credits									
PO 307	Orthotics Science Theory	CORE	34	7	7	7	2	57	5.7
PO 308	Biomechanics	CORE	34	10	6	5	2	57	5.7
PO 309	Orthotics Science Practical	CORE	10	10	30	10	100	160	16.0
PO 310	External Clinical Attachment	CORE	10	10	58	12	120	210	21.0
PO 311	Research methodology	CORE	20	6	10	7	7	50	5.0
PO 312	Public /community Health	CORE	32	5	10	5	10	62	6.2
PO 313	Disability and Rehabilitation.	CORE	36	5	6	5	10	62	6.2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 7: 65.8 Credits									
PO 400	Prosthetics and orthotics Science theory.	CORE	34	13	10	7	2	66	6.6
PO 401	Biomechanics	CORE	34	7	9	7	2	59	5.9
PO 402	Prosthetics and Orthotics Science Practical	CORE	20	20	93	20	207	360	36
MT 403	Health Management and Administration.	CORE	34	16	10	7	2	69	6.9
PO 404	Research project Proposal.	CORE	10	7	16	14	7	54	5.4
PO 405	Prosthetics and Orthotics Laboratory management.	CORE	30	5	6	5	4	50	5.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 8: 65.8 Credits									
PO 406	Internal Clinical Attachment.	CORE	10	10	82	42	264	408	40.8
PO 407	Research Project	CORE	10	20	30	60	130	250	25.0

2.2.35. Examination regulations for BSc. Prosthetics and Orthotics

- 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.
- The BSc. Prosthetics and Orthotics is an eight (8) semester programme with the maximum tenure of ten (10) semesters.
- Registration of full-time student shall be once at the beginning of each semester.
- 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 CA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.
- vi. The CA shall contribute 50% of the final grade in the end of module/modular course university examinations.

The CA and SA shall consist of written (essays/short answer questions, MCQs, quizzes, field reports, assignments, presentations and other similar written assessments) and practical/clinical components (global observation and rating of live/ recorded performances, procedures and logbooks, OSPE, OSCE and other similar practical assessments) using appropriate assessment tools. For pre-clinical courses, the final grade will be constituted by 50% of CA and 50% of SA/FE and the pass mark shall be 50%.

For clinical courses the proportional contribution for written and practical/clinical in SA will be 50% each. The final grade will be determined by the sum of 50% SA/FE and 50% CA which must be passed at C grade or higher. In addition, the student will have to pass SA clinical at 50% or above as determined by summation of 40% Clinical CA and 60% Clinical SA. Therefore, in order to pass a course both the final grade and the summed practical/clinical CA and SA must be passed separately.

- 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 two course(s) or less shall be required to supplement the failed modules in the course(s) in October, before the start of new academic year for Semester 1 to 4 and when next offered for semester 5 to 8.
- x. A candidate who obtains a GPA of less than 1.6 shall be discontinued from studies.
- xi. A candidate who fails three or more courses in any semester or in the audit year during semesters one (1) to four (4), shall be discontinued from studies regardless of GPA.
- xii. A candidate who fails in a first supplementary examination during semester one (1) to two (2) 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) in October provided the GPA is 1.8 or higher.

- xiii. A candidate who fails the second supplementary examination in semesters one (1) to four (4) shall be discontinued from studies, except in special circumstances, if recommended by the School of Biomedical Sciences, College Board and the Senate Undergraduate Committee and approved by the University Senate.
- xiv. A candidate who fails the second supplementary examination in semesters 5 to 8 shall be allowed to supplement the failed modules/modular courses when next offered provided the maximum tenure of ten (10) semesters is not exceeded.
- xv. No candidate shall be allowed to proceed to semester 5, before clearing all the modules in the semesters 1 to 4 courses.
- xvi. No candidate shall be allowed to proceed to semester 7, before clearing all the modules in the semesters 5 and 6 courses.
- xvii. A candidate who has the first supplementary examination in semesters 3 and 4 shall be allowed to freeze studies and appear for another supplementary examination when next offered provided she/he has a GPA of 1.8. In this case, the maximum freezing period shall be 2 semesters. A student who fails to clear the failed modules/modular courses within the two semesters shall be discontinued.
- xviii. A candidate shall not be considered to have passed any module/ modular course unless and until he/she has passed the practical components of the examination, whereby 50% is from CAT and 50% from the final assessment (SA).
- xix. A candidate who passes a supplementary examination shall be awarded a “C” grade equivalent to 2.0 grade points.
- xx. A student shall be awarded the BSc. Prosthetics and Orthotics degree after passing all prescribed courses in the programme.
- xxi. BSc. Prosthetics and Orthotics is a classified degree.

2.2.36. Grading and Classification of BSc. Prosthetics and Orthotics Degree Programme

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: -

Letter grade	A	B+	B	C*	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0

Marks %	100 -75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	1 - 0%
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**Pass mark*



CHAPTER THREE

SCHOOL OF DENTISTRY

3.0. INTRODUCTION

The School of Dentistry is the oldest dental school in Tanzania. The vision of the School of Dentistry is “to become a reputable world-class training institution 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”. The school offers two undergraduate programmes in Doctor of Dental Surgery and Bachelor of Science in Dental Laboratory Technology; and postgraduate training in the fields of Restorative Dentistry, Oral and Maxillofacial Surgery, Oral Pathology, Oral Public Health, Orthodontics and Pediatric Dentistry. The training facilities include standard lecture rooms, simulation skills laboratory, modern clinics with state-of-the-art dental chairs, digital dental x-ray machines, dental laboratory, array of instruments for different dental procedures, instruments’ sterilization machines, and a digitalized patient management record system. After completion of the ten-semester programme, graduates will have opportunities for employment and, to participate in research and training of professionals in the field of oral health and oral health related fields. Furthermore, graduates have the opportunity for enrolment into the six-semester postgraduate s programme.

3.1. UNDERGRADUATE PROGRAMME

3.1.1. Doctor of Dental Surgery (DDS) Degree Programme- MH010

The DDS training is a 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 following six



semesters are mainly clinical/practical oriented with intensive clinical clerkship in different departments including providing oral health to the community and community health. A dental student assisting a procedure



Dental students practicing clinical procedures on a manikin in the dental skills laboratory (phantom room).

3.1.2. DDS Degree Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
AN 100	Gross Anatomy and Histology	CORE	109	24	44	24	100	301	30.1
BC 100	Biochemistry & Molecular Biology	CORE	80	10	5	5	100	200	20.0
IT 110	ICT & Communication skills	CORE	30	5	5	5	35	80	8.0
PF 110	Professionalism & Ethics in Health and Research	CORE	10	10	10	20	27	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 65.8 Credits									
AN 110	Dissectional Anatomy and Embryology	CORE	39	10	20	30	145	244	24.4
BS 100	Behavioural science	CORE	100	25	-	-	-	125	12.5
EO 100	Community Health Organization	CORE	23.6	23.6	5.9	5.9	-	59	5.9
PH 100	Physiology	CORE	170	-	10	10	40	230	23.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 65.8 Credits									
MI 201	Microbiology/Immunology	CORE	80	8	6	9	100	203	20.3
PE 200	Parasitology & Entomology	CORE	30	10	10	20	50	120	12.0
MP 200.01	Principles Of Pathology	CORE	35	5	5	5	50	100	10.0
MP 200.02	Haematology and Blood Transfusion	CORE	10	8	5	5	22	50	5.0
ER 200	Epidemiology	CORE	70	10	10	5	12	10	10.8

	logy Biostatist ics & research Methods								
HS 201	Health Systems and Develop ment	CORE	68	15	10	10	5	108	10.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 65.8 Credits									
EO 200	Community Health Practice	CORE	40	5	5	5	15	70	7.0
CP 200	Basic and Clinical Pharmacology	CORE	70	80	17	21	60	248	24.8
MP 200.03	Head ,neck, Check, Abdomen And Mss	CORE	44	10	4	5	45	108	10.8
PD 200.04	Maxillofacial Endocrine and Forensic Pathology	CORE	23	8	5	10	10	56	5.6

Course code	Course Name	Core or electiv e	Lectur e (Hrs)	Tutorial / Semina r (Hrs)	Assignmen t (Hrs)	Independen t Study (Hrs)	Practica l (Hrs)	Tota l (Hrs)	Cred its
Semester 5: 65.8 Credits									
MD 300	Management of Diseases	CORE	297	-	51	108	51	507	50.7
DB300	Dental Materials	CORE	7	3	3	3	40	50	5.0
DE300	Pre-clinical Dentistry	CORE	10	0	5	8	80	103	10.3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 65.8 Credits									
PF 300	Professionalism and Ethics in Medical Practice	CORE	12	12	24	24	65	137	13.7
OS 300	Fundamentals in Oral and	CORE	60	20	10	10	100	200	20.0

	Maxillofacial Surgery								
OR 301	Oral radiology	CORE	10	0	6	4	30	50	5.0
MD 311	Non-communicable diseases control (including Nutrition field work)	CORE	52	5	5	5	35	102	10.2
ME 310	Research Proposal Development	CORE	10	10	5	5	20	50	5.0
OM 300	Occupational Medicine	CORE	24	12	6	4	6	52	5.2
MT 301	Management and Entrepreneurship	CORE	42	0	10	17	0	69	6.9

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 7 (Junior rotation): 65.8 Credits									
OS 400	Oral Surgery	CORE	90	30	15	15	150	300	30.0
PR 400	Periodontology	CORE	9.8	19.7	19.7	9.8	78.8	138	13.8
OD 400	Operative Dentistry	CORE	44	22	11	11	132	220	22

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 8 (Junior rotation): 65.8 Credits									
PO 400	Prosthodontics	CORE	62	18	9	9	100	198	19.8
OR 400	Orthodontics	CORE	61	12	6	6	35	120	12.0
DC 400	Paediatric Dentistry	CORE	72	18	4.5	4.5	72	180	18.0
CD400	Community Dentistry	CORE	60	37	17.5	7.5	30	150	15.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 9 (Senior rotation): 65.8 Credits									
OS 500	Oral Surgery	CORE	20	21	10.5	10.5	148	210	21.0
DC 500	Paediatric Dentistry	CORE	44	11	5.5	5.5	44	110	11.0
PO 500	Prosthodontics	CORE	56	16	8	8	90	178	17.8
OR 500	Orthodontics	CORE	10	15	7.5	7.5	110	150	15.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 10 (Senior rotation): 65.8 Credits									
OD 500	Operative dentistry	CORE	35	17	8	8	107	175	17.5
PR 500	Periodontology	CORE	11.9	27.7	15.8	7.9	94.8	158	15.8
CD 500	Community Dentistry	CORE	96	41.5	15.75	15.75	146	315	31.5

3.1.3. Examination regulations for the DDS Programme

- 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.
- The DDS degree is a ten-semester programme and the maximum tenure shall be 14 semesters.
- Registration of full-time students shall be once at the beginning of each semester.
- 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)
- The CA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.
- The CA and SA shall consist of written and practical/clinical components (MCQ's, Essays, Short answer questions, observation and rating of live/recorded performances, Multisource/global rating, Observation of procedures and rating, peer assessment, portfolio and logbooks, OSPE, OSCE and other assessment using appropriate tools). For pre-clinical courses, the final grade shall constitute 50% of CA and 50% of SA and the pass mark shall be 50%.

For clinical courses the proportional contribution for written and practical/clinical in SA shall be 50% each. The final grade shall be determined by the sum of 50% SA and 50% CA which must be passed at C grade or higher. In addition the student will have to pass SA clinical at 50% or above as determined by summation of 40% Clinical CA and 60% Clinical SA. Therefore, in order to pass a course both the final grade and the summed practical/clinical CA and SA must be passed separately.

- 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 the failed modules in the course(s) in October before start of new academic year for semester 1-4 and when next offered for semester 5-10.
- 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 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 progress to semester 5 unless and until he/she has passed all course modules in semesters 1 to 4 of the programme.
- xiv. 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.
- xv. A candidate who fails but attains 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. In this case the maximum freezing period shall be two (2) semesters. A student who fails to clear the failed modules/courses within the two semesters shall be discontinued.

- xvi. 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 CA and 60% from the final examination and the combined contribution by written and clinical examinations separately as per regulation (v) above.
- xvii. A candidate who fails junior clerkship clinical rotation in semester five (5) and six (6) shall be required to do a supplementary rotation when next offered. A candidate who fails senior clerkship clinical rotation in semester seven (7) and eight (8) shall be required to supplement the failed rotation when next offered. A candidate who fails clinical rotation in semester nine (9) and ten (10) shall be required to supplement the failed rotation after semester ten (10) provided the 14 semester tenure is not exceeded. 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 is not exceeded.
- 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 field work assignments and submitted relevant reports.
 - xxii. A student shall be awarded the DDS degree after passing all prescribed courses in the DDS programme.

3.1.4. 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

Letter grade	A	B+	B	C*	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 - 75%	74-70%	69-60%	59-50%	49-40%	39-0%

****Pass mark***

3.1.5. 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 fieldwork in Community Dentistry during semester 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 groups) 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. The student shall be allowed to do Preventive and Community Dentistry rotation, only after successful completion of semester 9 rotations and OD 500 and PR 500 in Semester 10.

- 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 to acquisition 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 fieldwork works and provide reports.

3.1.6. BSc. Dental Laboratory Technology (BSc. DLT) Degree Programme-MH010

The training of the Bachelor of Science in dental laboratory technology is a competency-based programme. covering eight semesters (four years) leading to the Bachelor of Science degree of this University. The first two semesters of the programme is devoted to basic sciences and community training. The following six semesters are mainly practical oriented with intensive laboratory clerkship in different aspects of dental prosthesis.



Dental Laboratory workspace equipped with tools, materials and workstations for training of students in creating dental prosthesis and appliances



Dental Laboratory students in the practical session

3.1.7. BSc. DLT Degree Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
AN 100	Gross Anatomy and Histology	Core	109	24	44	24	100	301	30.1
DT 100	Oral Anatomy	Core	13	13	17	13	82	138	13.8
IT 100	ICT and Communication Skills	Core	30	5	5	5	35	80	8.0
PF 100	Professionalism and Ethics	Core	10	10	10	20	27	77	7.7
DT 101	Dental Laboratory Health and Safety	Core	25	15	15	24	75	152	15.2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 65.8 Credits									
PH 100	Physiology	CORE	170	-	10	10	40	230	23.0
BS 100	Behavioural science	Core	100	25	-	-	-	125	12.5
DT 102	Dental	Core	22	22	11	22	168	245	24.5

	Materials Science								
DT 103	Dental Laboratory Equipment &	Core	15	15	-	-	28	58	5.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 65.8 Credits									
MI 201	Microbiology/ Immunology	CORE	80	8	6	9	100	203	20.3
DS 200	Health Systems and Development	Core	59	15	15	19	-	108	10.8
ER 201	Epidemiology Biostatistics & research Methods	Core	70	10	10	5	12	108	10.8
DT 200	Removable Complete Denture	Core	20	13	11	10	186	239.	23.9

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 65.8 Credits									
PD 200.04	Maxillofacial Endocrine and Forensic Pathology	CORE	23	8	5	10	10	56	5.6
DT 201	Removable Partial Denture	Core	28.8	28.8	11.4	10.8	142.2	222	22.2
DT 202	Fundamental of Orthodontic Dental Laboratory Practices	Core	23	23	11.5	23	149.5	230	23
DT 203	Principles of Orthodontics Therapy	Core	15	15	7.5	15	97.5	150	15.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 65.8 Credits									
DT 300	Removable Orthodontics Appliances	Core	21	21	11	20	137	210	21
DT 301	Indirect metal restoration	Core	25	25	12	20	161	243	24.3
DT 302	CAD/CAM	Core	13	13	12	12	85	135	13.5

	Systems								
MT 301	Management and Entrepreneurship	CORE	42	0	10	17	0	69	6.9

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 65.8 Credits									
DT 303	Porcelain Fused to Metal Crown and Bridge	Core	23	23	12	22	150	230	27.1
DT 304	All Ceramic Indirect Restoration	Core	23	23	11	23	148	228	22.8
DT 305	Removable Cast Partial Denture	Core	15	15	8	15	97	150	15
ME 310	Research Proposal Development	Core	10	10	5	5	20	50	5

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 7: 65.8 Credits									
DT 400	Fixed Orthodontics appliances	Core	28	28	14	28	182	280	28
DT 401	Dental Implant Prosthesis	Core	18	18	9	18	115	178	17.8
DT 402	Dental Laboratory Practice (Field attachment)	Core	20	20	10	20	130	200	20

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 8: 65.8 Credits									
DT 403	Dental Laboratory Equipment and Maintenance	Core	21	21	10	21	135	208	20.8
DT 404	Maxillofacial Prosthesis	Core	21	21	10	21	147	220	22
DT 405	Research Data Collection, Analysis, and	Core	-	-	30	200	-	230	23

	Report writing								
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3.1.8. Examination regulations for the BSc. DLT Programme

General examination regulation

- 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. DLT degree is an eight-semester programme and the maximum tenure shall be 12 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 CA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations. 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. For theoretical courses, the final grade will be constituted by 50% of CA and 50% of SA and the pass mark shall be 50%.

For pre-clinical courses, the final grade will be constituted by 50% of CA and 50% of SA and the pass mark shall be 50%.

For practical courses the proportional contribution for written and practical in SA will be 50% each. The final grade will be determined by the sum of 50% SA and 50% CA which must be passed at B grade or higher. In addition, the student will have to pass SA practical at 50% or above as determined by summation of 40% practical CA and 60% practical SA.

The FA and SA shall consist of written (theory paper, quizzes, field reports, assignments, presentations and others) and practical components (observation of procedures and rating, logbooks, OSPE, and Practical examination). The proportional contribution for written and practical examinations will be 60 and 40% respectively for Basic Sciences and 40% and 60% in Practical Sciences. A candidate shall not be considered to have passed any module/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.

- vi. A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.
- vii. A candidate who passes the examination with a C grade or higher will be declared to have passed the examination.
- viii. A candidate who scores a GPA of 1.6 or higher, but fails in courses/ modules shall be required to supplement the failed modules in the course(s) in October before start of new academic year for semester 1-4 and when next offered for semester 5-8.
- ix. A candidate who obtains a GPA of less than 1.6 in a semester 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 the first supplementary examination in basic sciences shall be allowed to carry-over the failed module(s) to the next academic 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.
- xii. No candidate shall be allowed to progress to semester 5 unless and until he/she has passed all course modules in semesters 1 to 4 of the programme.
- 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 fails but attains 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. In this case the maximum freezing period shall be two (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 CA and 60% from the final examination and the combined contribution by written and clinical examinations separately as per regulation (v) above.
- xvi. A candidate who passes a supplementary examination at any level shall be awarded a "C" grade equivalent to 2.0 grade points.
- xvii. No student will be allowed to graduate if he/she has not completed all field work assignments and submitted relevant reports.

- xviii. A student shall be awarded the BSc. DLT degree after passing all prescribed courses in the BSc. DLT programme

3.1.9. Grading System

The examination marks and grades shall be as shown in the Table below. Computation of the GPA for the BSc. DLT programme shall be based on the number of credits approved for each course and shall be equated to the letter grade as shown below.

Letter grade	A	B+	B	C*	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60%	59-50%	49-40%	39-0%

**Pass mark*

3.2.2.4. Regulation of Fieldwork Project Report

- Practical assessment shall be carried out by presentation of the report from dental laboratory work. Practical will add 60% of marks to the total CA and 60% to the final examination for courses with practical sessions
- End-of-program research projects shall be assessed as follows: proposal development and defence (20%); presentation of the progress (10%), defence of the final report (20%), and final report (50%).
- Field attachments shall be assessed as follows: attendance at the field attachment site (20%), evaluation of the progress at the site by academic staff (20%), presentation of the report (20%) and final report (40%).
- Every candidate must pass both project and field attachment at not less than grade B. Supplementary examination for project and field attachment shall be done for the failed part only.



CHAPTER FOUR

SCHOOL OF PHARMACY

4.1 INTRODUCTION

The School of Pharmacy has celebrated a 50-year anniversary in 2024 since its inception back in 1974. It is the oldest pharmaceutical school in the country and second oldest at MUHAS, following the School of Medicine (now the Campus College of Medicine). It has extensive experience in training pharmaceutical personnel and offers a Bachelor of Pharmacy Degree programme. Pharmacy education embraces the search, development, formulation, analysis, supply chain management of medical 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 a centre 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. Students will not regret to have chosen School of Pharmacy programmes.



Students (with the instructor) in a training session in the PharmRx Discovery Laboratory at the School of Pharmacy

4.2 UNDERGRADUATE PROGRAMME

4.2.1. B. Pharm Degree Programme- MH001

This is eight semesters, four-year competency-based programme leading to the B. PharmDegree followed by one yearofinternship at an approved hospital pharmacy or an approved pharmacy regulatory authority including Tanzania Medicines and Medical Device Authority (TMDA) or Pharmacy Council of Tanzania or Medical Stores Department or Pharmaceutical industries.

4.2.2. B. Pharm Degree Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 75.8 Credits									
AN 100	Gross anatomy and Histology	CORE	109	24	44	24	100	301	30.1
BC 100	Biochemistry & Molecular Biology	CORE	80	10	5	5	100	200	20.0
IT 110	ICT & Communication Skills	CORE	30	20	10	10	10	80	8.0
PF 110	Professionalism & Ethics in Health and Research	CORE	36	12	12	12	5	77	7.7
PG 100	Basic Pharmacognosy & Phytochemical Methods	CORE	50	8	6	6	30	100	10.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 72.0 Credits									
PC 100	Basics of Medicinal and Pharmaceutical Chemistry	CORE	113	2	8	10	46	179	17.9
BS 100	Behavioral science	CORE	100	25	-	-	-	125	12.5
PT 100	Physical Pharmacy and Unit Processes	CORE	114	4	9	3	56	189	18.6
PH 100	Physiology	CORE	170	-	10	10	40	230	23.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 62.5 Credits									
PE 200	Parasitology & Entomology	CORE	60	10	10	10	30	120	12.0
ER 201	Epidemiology & Biostatistics	CORE	70	10	10	5	12	10	10.8
PG 203	Natural Products of Medicinal Importance	CORE	72	12	5	6	54	147	14.7
HS 201	Health System and	CORE	59	15	15	11	-	100	10.0

	Development								
MP 200.01	Principles of Pathology	Core	35	5	5	5	50	100	10.0
MP 200.02	Hematology and Blood Transfusion	Core	10	8	5	5	22	50	5.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 4: 75.5 Credits

PC 200	Spectroscopy and Chemotherapeutic Agents	CORE	86	5	10	14	60	175	17.5
PT 200	Principles of Pharmaceutical Formulations	CORE	65	14	10	10	50	149	14.9
PP 200	Compounding and Dispensing Practice	CORE	88	5	3	4	60	130	16.0
PB 201	Basic Pharmaceutical Microbiology	CORE	78	5	3	4	30	160	16.0
PL 202	Basic Pharmacology	CORE	60	10	10	10	21	111	11.1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 5: 65.8 Credits

PG 301	Applied Pharmacognosy	CORE	70	10	8	12	66	166	16.6
PT 301	Dosage Form Design and Good Manufacturing Practices	CORE	80	10	10	8	64	172	17.2
PP 302	Community Pharmacy and Nutrition	CORE	72	15	13	10	50	160	16.0
PL 301	Therapeutics	CORE	30	60	10	15	45	160	16.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 6: 64.4 Credits

PP 304	Supply Chain, Pharmacoeconomics and Pharmacy Laws	CORE	64	6	5	10	20	105	10.5
PC 300	Pharmacodynamic agents and Quality Assurance	CORE	90	10	4	6	60	170	17.0
	Biopharmaceutics								

PT 303	and Pharmacokinetics	CORE	70	5	2	10	50	137	13.7
PB 301	Applied Pharmaceutical Microbiology	CORE	90	8	4	10	51	163	16.3
MT 301	Management, and Entrepreneurship in Health	CORE	42	0	10	17	0	69	6.9

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 7: 65.8 Credits									
RP 401	Research Design and Development	CORE	2	1	3	4	180	190	19.0
PF 401	Hospital Pharmacy Clerkship	Core	1	1	2	5	147	156	15.6
PF 402	Clinical Pharmacy Clerkship	Core	1	1	2	5	147	156	15.6
PF 403	Antimicrobial resistance Stewardship Hospital Rotations	Core	1	1	2	5	147	156	15.6

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 8: 65.8 Credits									
RP 402	Research Report Writing and Dissemination of Findings	CORE	2	1	3	25	307	338	33.8
FW 400	Practice-based Evidence Fieldwork	Core	4	0	0	36	280	320	32.0

4.2.3. Examination Regulations for the B. Pharm Degree Programme

- 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.
- The B. Pharm is an 8-semester degree programme and the maximum tenure is ten (10) semesters.
- 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 shall constitute the Formative Assessment (FA) whereas the end of module assessment shall constitute the SA.
 - v. The CA shall contribute 50% of the final grade in the end of module/modular course University examination.
 - vi. The CA 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. Candidate will be considered to have passed a course after passing all modules 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.
 - xi. A candidate who scores a GPA of 1.6 or higher, but fails in two course(s) or less shall be required to supplement the failed modules in the course(s) in October, before the start of new academic year for Semester 1 to 4 and when next offered for semester 5 to 8.
 - x. A candidate who fails the first supplementary in semester 3 and 4 shall be allowed to freeze registration and appear for a second supplementary examination when next offered provided that he/she obtains a GPA of 1.8 or more during the first supplementary. The maximum freezing period shall be 2 semesters.
 - xi. 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.
 - xii. A candidate who fails the second supplementary examination in semesters

- 5 to 8, shall be allowed to supplement the failed courses when next offered provided the maximum tenure of ten (10) semesters is not exceeded.
- xiii. No candidate shall proceed to semester 7 without passing all courses in semester 5 and 6.
 - xiv. A candidate who passes a supplementary examination at any level shall be awarded a “C” grade equivalent to 2.0 grade points.
 - xv. A candidate failing the final research project examination in semester 8 shall be allowed to resubmit a complete research project report for re-examination within the time specified by the examiners provided the maximum tenure of ten (10) semesters is not exceeded.
 - xvi. A candidate will be awarded the B. Pharm degree after passing all the prescribed courses in the programme including the research project.
 - xvii. The B. Pharm degree shall be classified.

4.2.4. 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: -

Letter grade	A	B+	B	C*	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 - 75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	39 - 0%

**Pass mark*



CHAPTER FIVE

5.1 SCHOOL OF NURSING

5.2 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. The School also trained the majority of teachers for other Schools of Nursing in the various Universities in the country.

The School offers undergraduate programmes in the Bachelor of Science in Nursing (BSc.N), Bachelor of Science in Nurse Anaesthesia (BSc.NA) and Bachelor of Science in Midwifery (BSc.M). These programmes are available for both direct entrants and post registered nurses who want to advance their careers. Graduates of these programmes are provided with opportunity for professional growth, including clinical decision making reflective and problem-solving skills and critical thinking. At present, nurses have an extended role in health services delivery including educator, researcher and policy makers.

5.3 UNDERGRADUATE PROGRAMMES

5.2.1. BSc. Nursing Degree Programme- MH009

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



BSc. Nursing students acquiring nursing skills in the simulation lab at MUHAS



A lecturer conducting a briefing session to BSc.Nursing and Midwifery students in the Simulation Laboratory

5.2.2. BSc. Nursing Degree Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
AN 100	Gross Anatomy and Histology	CORE	109	24	44	24	100	301	30.1
BC 100	Biochemistry and Molecular Biology	CORE	80	10	5	5	100	200	20.0
IT 100	ICT & Communication skills	CORE	30	5	5	5	35	80	8.0
PF 110	Professionalism & Ethics in Health and Research	CORE	10	10	10	20	27	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 65.8 Credits									
PH 100	Physiology	CORE	170	-	10	10	40	230	23.0
BS 100	Behavioural Sciences	CORE	100	25	-	-	-	125	12.5
NP 100	Principles of Nursing	CORE	40	15	15	10	223	303	30.3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 62.1 Credits									
MI 201	Microbiology & Immunology	CORE	80	8	6	9	100	203	20.3
PE 200	Parasitology & Entomology	CORE	30	10	10	20	50	120	12.0
ER 201	Biostatistics & Epidemiology	CORE	43.2	21.6	10.8	21.6	10.8	108	10.8
HS 201	Health System and Development	CORE	68	15	15	10	-	108	10.8
NT200	Basic Clinical Nutrition	CORE	10	5	5	5	65	90	9.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 61.8 Credits									

CP 200	Basic & Clinical Pharmacology	CORE	70	80	17	21	60	248	24.8
MT 200	Management & Entrepreneurship	CORE	42	0	10	17	0	69	6.9
TL 200	Teaching and Learning in Clinical Practice	CORE	30	10	10	10	30	90	9.0
NC 201	Community Health Nursing	CORE	50	20	25	15	101	211	21.1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 5: 65.8 Credits

MN300	Medical Nursing	Core	70	20	20	42	228	380	38.0
SN300	Surgical Nursing	Core	35	20	10	35	178	278	27.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 6: 65.8 Credits

NM 300	Midwifery	CORE	75	16	15	24	230	360	36.0
PN 300	Mental Health & Psychiatric Nursing	CORE	54	5	5	6	158	228	22.8
NR 300	Research Proposal Development	CORE	10	10	5	5	40	70	7.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 7: 65.8 Credits

NP 400	Paediatric Nursing	CORE	60	5	5	14	154	238	23.8
NC 400	Community health nursing Field	CORE	4	5	5	6	190	210	21.0
NF 400	Forensic & Community Psychiatry	CORE	4	5	5	6	190	210	21.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 8: 65.8 Credits

NR400	Research Report Writing	CORE	10	10	10	10	100	140	14
EC400	Emergency Care	CORE	10	5	5	10	110	140	14

CE400	Critical Care	CORE	70	10	10	10	278	378	37.8
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5.2.3. BSc. Nurse Anaesthesia Degree Programme-MH015

This is an eight semester (four years) competency-based programme leading to the Bachelor of Science in Nurse Anaesthesia degree of this University followed by a one-year internship at an approved hospital.

5.2.4. BSc Nurse Anaesthesia Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
PF 110	Professionalism & Ethics in Health Sciences	CORE	10	10	10	20	27	77	7.7
BC 100	Biochemistry and Molecular Biology	CORE	80	10	5	5	100	200	20
AN 100	Gross Anatomy and Histology	CORE	109	24	44	24	100	301	30.1
IT 110	ICT & Communication Skills	CORE	30	5	5	5	35	80	8.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 65.8 Credits									
PH 100	Physiology	CORE	170	0	10	10	40	230	23.0
BS 100	Behavioural Sciences	CORE	100	25	0	0	0	125	12.5
NP 100	Principles of Nursing	CORE	40	15	15	10	223	303	30.3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 65.8 Credits									
MI 200	Microbiology & Immunology	CORE	80	8	6	9	100	203	20.3
PE 200	Parasitology & Entomology	CORE	30	10	10	20	50	120	12.0
ER 201	Biostatistics & Epidemiology	CORE	43.2	21.6	10.8	21.6	10.8	108	10.8
HS 201	Health System and Development	CORE	60	15	15	10	0	100	10.0
HA 200	Health Information and Medical Records for	CORE	37	15	15	10	50	127	12.7

	Anaesthetic Practice								
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Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 65.8 Credits									
CP 200	Basic and Clinical Pharmacology	CORE	70	80	17	21	60	248	24.8
NA 200	Principle of safe anaesthesia	CORE	38	10	20	13	140	221	22.1
TL 200	Teaching and Learning in Clinical Practice	CORE	10	5	5	5	65	90	9
MT 200	Management & Entrepreneurship	CORE	42	0	10	17	0	69	6.9

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 65.8 Credits									
CE 301	Basic Critical Care	CORE	48	2	15	15	158	238	23.8
EN 301	Basic Emergency Care	CORE	47	3	5	5	140	200	20.0
PE 300	Principle of Operating Anaesthetic Equipment	CORE	72	4	20	20	104	220	22.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 65.8 Credits									
OB 300	Obstetric Anaesthesia	CORE	36	18	36	18	100	208	20.8
PM 300	Peri-operative Anaesthesia Management	CORE	36	20	30	18	96	200	20.0
SA 300	General Surgical Anaesthesia	CORE	36	18	36	18	144	250	25.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 7: 65.8 Credits									
ER 400	Elective Research	Core	42	4	14	10	70	140	14
FA 400	Field attachment	Core	2	5	100	15	176	298	29.8
AC 400	Anaesthesia & Co-morbidities	CORE	80	5	20	15	100	220	22

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 8: 65.8 Credits									
SP 400	Anaesthesia for special Population and specialized surgical procedures	CORE	110	3	8	15	378	514	51.4
NL 400	Leadership and Management	CORE	45	3	12	12	72	144	14.4

5.2.5. BSc. Midwifery Degree Programme- MH012

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, followed by a one-year internship at an approved hospital.

5.2.6. BSc. Midwifery Degree Programme Courses

BSc. Midwifery course matrix

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
PF 100	Professionalism & Ethics in Health Sciences	CORE	10	10	10	20	27	77	7.7
BC 100	Biochemistry and Molecular Biology	CORE	80	10	5	5	100	200	20
AN 100	Gross Anatomy and Histology	CORE	109	24	44	24	100	301	30.1
IT 110	ICT & Communication Skills	CORE	30	5	5	5	35	80	8.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 65.8 Credits									

PH 100	Physiology	CORE	170	0	10	10	40	230	23.0
BS 100	Behavioural Sciences	CORE	100	25	0	0	0	125	12.5
NP 100	Principles of Nursing	CORE	40	15	15	10	223	303	30.3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 3: 62.9 Credits

PE 200	Parasitology & Entomology	CORE	30	10	10	20	50	120	12.0
MI 201	Microbiology & Immunology	CORE	80	8	6	9	100	203	20.3
HS 201	Health systems and development	CORE	68	15	15	10	0	108	10.8
ER 201	Biostatistics and Epidemiology	CORE	43.2	21.6	10.8	21.6	10.8	108	10.8
NT 200	Basic and Clinical Nutrition	CORE	10	5	5	5	65	90	9.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 4: 61.8 Credits

CP 200	Basic and Clinical Pharmacology	CORE	70	80	17	21	60	248	24.8
MT 200	Management & Entrepreneurship	CORE	42	0	10	17	0	69	6.9
NC 201	Community Health Nursing/Midwifery	CORE	50	20	25	15	101	211	21.1
TL 200	Teaching and Learning in Clinical practice	CORE	30	10	10	10	30	90	9.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 5: 65.2 Credits

RH 300	Reproductive Health	CORE	70	5	5	10	200	290	29.0
SN 300	Medical Surgical Nursing	CORE	70	20	12	30	230	362	36.2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 6: 65.8 Credits

PR 300	Pregnancy and Childbirth	CORE	100	10	10	20	220	360	36.0
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PN 300	Introduction to Mental Health and Psychiatric Nursing	CORE	54	5	5	6	158	228	22.8
NR 300	Research proposal Development	CORE	10	10	5	5	40	70	7.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 7: 65.8 Credits									
NP 400	Pediatric Nursing	CORE	60	5	5	14	154	238	23.8
NC 400	Community Health Nursing Field	CORE	4	5	5	6	190	210	21.0
NM 401	Emergency Obstetric and Newborn care	CORE	60	5	7	10	125	207	20.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 8: 65.8 Credits									
NO 400	Neonatology and Congenital Malformations in Newborns	Core	50	20	10	20	100	200	20.0
NM 402	Clinical Midwifery Practicum	Core	0	5	5	15	150	165	16.5
CE 401	Basic Critical Care and Emergency Nursing	Core	50	10	10	10	73	153	15.3
NR 400	Research Report Writing	Core	10	10	10	10	100	140	14.0

*Field work During Holiday

5.2.7. Examination regulations for the undergraduate Nursing degree programmes (BSc. Nursing, BSc. Nurse Anaesthesia, and BSc. Midwifery)

- 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, BSc Nurse Anaesthesia and BSc Midwifery degrees are 8
- iii. Semester programmes and the maximum tenure shall be ten (10) semesters.
- iv. Registration for full time students shall be once at the beginning of each semester.
- v. The CA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.
- vi. The CA and SA shall consist of written and practical/clinical components (MCQ's, Essays, Short answer questions, observation and rating of live/recorded performances, Multisource/global rating, Observation of procedures and rating, peer assessment, portfolio and logbooks, OSPE, OSCE and other assessment using appropriate tools). For pre-clinical courses, the final grade shall constitute 50% of CA and 50% of SA and the pass mark shall be 50%. For clinical courses the proportional contribution for written and practical/clinical in SA shall be 50% each. The final grade shall be determined by the sum of 50% SA and 50% CA which must be passed at C grade or higher. In addition, the student will have to pass SA clinical at 50% or above as determined by summation of 40% Clinical CA and 60% Clinical SA. Therefore, in order to pass a course both the final grade and the summed practical/clinical CA and SA must be passed separately.
- vii. A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.
- vii. 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.
- viii. A candidate who obtains a GPA of less than 1.6 at the end of audit year shall be discontinued from studies.
- ix. A candidate who fails three (3) 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.
- x. A candidate who fails the supplementary with a GPA of less than 1.8 shall be discontinued from studies.
- xi. A candidate who fails the first supplementary in semester 3 and 4 shall be allowed to freeze registration and appear for a second supplementary examination when next offered provided that he/she obtains a GPA of 1.8

or more during the first supplementary. The maximum freezing period shall be 2 semesters.

- xii. 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.
- xiii. A candidate who fails the second supplementary examination in semesters 5 to 8 shall be allowed to supplement the failed courses when next offered provided the maximum tenure of ten (10) semesters is not exceeded.
- xiv. A candidate who fails clinical rotation examinations shall be required to do a supplementary rotation when next offered, and pass before progressing to the next year of study.
- xv. No candidate shall proceed to semester 7 without passing all courses in semester 5 and 6.
- xvi. A candidate who passes a supplementary examination shall be awarded a C grade equivalent to 2.0 grade points.
- xvii. 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 CA and 60% from the final examination and the combined contribution by written and clinical examinations separately as per regulation (vi) above.
- xviii. A candidate in semester 7-8 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 of ten (10) semester is not exceeded.
- xix. A student shall be awarded the BSc Nursing or BSc in Midwifery or BSc in Nurse Anaesthesia after passing all prescribed courses.
- xx. The Bachelor of Science in Nursing, Bachelor of Science in Midwifery and Bachelor of Science in Nurse Anaesthesia degrees shall not be classified.

5.2.8. Regulations for Fieldwork and Research Projects

To qualify for the award of BSc. Nursing and BSc. Midwifery degree, one must pass all semester examinations, the field work and research reports. There will be two field attachments, community health nursing as well as forensic and community psychiatry. The community health field attachments will be done in semester 7. To develop critical thinking and clinical inquiry skills that are key in addressing nursing practices and solving health care related problems. In semester 8 students will develop, and implement.

5.2.9. 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
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60%	59-50%	49-40%	39-0%

**Pass mark*



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 seven departments: Behavioral Sciences; Community Health; Development Studies; Epidemiology and Biostatistics; Parasitology and Medical Entomology; Environmental and Occupational Health and Bioethics.

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 100 members of staff, 34 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 seventeen postgraduate programmes with a total of 260 and 313 undergraduate and postgraduate students respectively.

6.1.1. BSc Environmental Health Science Degree Programme- MH007

Previously, this was 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. In the current prospectus, we include the revised curriculum which accommodates eight semesters (four years).

6.1.2. BSc. Environmental Health Degree Programme courses

BSc. Environmental Health Matrix

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 65.8 Credits									
AN 100.1	Gross Anatomy	Core	60.8	15.2	15.2	30.4	30.4	152	15.2
EH 100	Gross Anatomy of Food Animals	Core	19.6	4.9	4.9	9.8	9.8	49	4.9
BC 100	Biochemistry and Molecular Biology	Core	80	20	20	40	40	200	20
IT 110	ICT and Communication Skills	Core	32	8	8	16	16	80	8
PF110	Professionalism and Ethics	Core	30.8	7.7	7.7	15.4	15.4	77	7.7
EH 101	Principles of Environmental and Occupational Health	Core	40	10	10	20	20	100	10

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 65.8 Credits									
Code	Course Name	Core or elective	Lecture (hrs) 40%	Tutorial/ Seminar (hrs) 10%	Assignment (hrs) 10%	Independent study (hrs) 20%	Practical (hrs) 20%	Total (hrs)	Credits
PH 100	Physiology	Core	170	-	10	10	40	230	23
EH 102	Building Construction and	Core	33.2	8.3	8.3	16.6	16.6	83	8.3

	Technology								
EH 103	Healthy housing and human settlement	Core	66	16.5	16.5	33	33	165	16.5
EH 104	Environmental Physics	Core	28	7	7	14	14	70	7
EH 105	Environmental Microbiology	Core	44	11	11	22	22	110	11

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 3: 65.8 Credits

EH 200	Environmental Chemistry	Core	44	11	11	22	22	110	11
DS 200	Health Systems and Development	Core	40	10	10	20	20	100	10
EH 201	Occupational Health and Safety	Core	88	22	22	44	44	220	22
PE 200	Parasitology and Medical Entomology	Core	60	15	15	30	30	120	12
ER 201	Epidemiology and Biostatistics	Core	81	5	10	10	10	108	10.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 4: 65.8 Credits

EH 203	Food Hygiene and Safety	Core	56	14	14	28	28	140	14
EH 204	Health Care Waste Management	Core	28	7	7	14	14	70	7
EH 205	Water, Sanitation and Hygiene	Core	52	13	13	26	26	130	13
BS 201	Environmental Health Economics	Core	21.2	5.3	5.3	10.6	10.6	53	5.3
EH 206	Solid and Liquid Waste Management	Core	36	9	9	18	18	90	9
EH 207	Pathology of Food Animals, Zoonosis and Meat Inspection	Core	36	9	9	18	18	90	9
BS 202	Health Education and Promotion	Core	34	8.5	8.5	17	17	85	8.5

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 65.8 Credits									
EH 300	Food systems, Composition and Nutrition	Core	26.8	6.7	6.7	13.4	13.4	67	6.7
EH 301	Environmental Health Laws and Inspection of Premises	Core	52	13	13	26	26	130	13
EH 302	Basic Life Support and Emergency Care	Core	26	6.5	6.5	13	13	65	6.5
EH 303	Immunization and Disease Control	Core	39.2	9.8	9.8	19.6	19.6	98	9.8
EH 304	Port Health and International Disease Surveillance	Core	39.2	9.8	9.8	19.6	19.6	98	9.8

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 65.8 Credits									
EH 306	Environmental Toxicology and Health Risk Assessment	Core	48.4	12.1	12.1	24.2	24.2	121	12.1
EH 307	Environmental and Health impact Assessment	Core	51.2	12.8	12.8	25.6	25.6	128	12.8
BS 301	Research Methods	Core	28	7	7	14	14	70	7
MT 301	Management, Leadership and Entrepreneurship	Core	27.6	6.9	6.9	13.8	13.8	69	6.9
EH 306	Field Attachment II	Core	-	-	-	-	270	270	27

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 7: 65.8 Credits									
EH 400	Environmental Pollution and Climate Change	Core	59.2	14.8	14.8	29.6	29.6	148	14.8
EH 401	Research Project I	Core	96	24	24	48	48	240	24
EH 402	Field Attachment III	Core	-	-	-	-	270	270	27

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 8: 65.8 Credits									
EH 403	Emergency and Disaster Management	Core	39.2	9.8	9.8	19.6	19.6	98	9.8
EH 404	Research Project II	Core	-	28	28	56	168	280	28
EH 405	Environmental Health Practice	Core	112	28	28	56	56	280	28

6.1.3. Examination regulations for the BSc. Environmental Health programme

- 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 One.
- ii. The BSc (EH) is a eight-semester programme and the maximum tenure shall be ten (10) semesters.
- iii. The registration of full-time students shall be once at the beginning of each semester.

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).

- iv. 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%.
- v. 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.

- vi. A candidate will be considered to have passed a course after passing all modules of the respective course.
- vii. A candidate who scores a GPA of 1.6 or higher, but fails in two course(s) or less shall be required to supplement the failed modules in the course(s) in October, before the start of new academic year.
- viii. A candidate who obtains a GPA of less than 1.6 at the end of the academic audit year shall be discontinued from studies.
- ix. 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.
- x. A candidate who fails three or more courses in semester 3 and 4 will be allowed to supplement failed courses when next offered provided the GPA is 1.6 or higher
- xi. A candidate who fails in a supplementary examination for semester 1 and 2 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 four (4) shall be discontinued from studies, except in special circumstances, if recommended by the Public Health and Social Sciences Board and Senate Undergraduate Committee and approved by the University Senate.
- xiii. A candidate who passes a supplementary examination at any level shall be awarded a “C” grade equivalent to 2.0 grade points.
- xiv. A candidate who fails the first supplementary in semester 3 and 4 shall be allowed to freeze registration and appear for a second supplementary examination when next offered provided that he/she obtains a GPA of 1.8 or more during the first supplementary. The maximum freezing period shall be 2 semesters.
- 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 Committee and approved by the University Senate.
- xvi. A candidate who fails the second supplementary examination in semesters 5 and 6 shall be allowed to supplement the failed courses when next offered provided the maximum tenure of eight (8) semesters is not exceeded.

- xvii. A Student shall be awarded the BSc (EHS) degree after passing all the prescribed courses in the programme.
- xviii. BSc (EHS) is a classified degree.

6.1.4. 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: -

Letter grade	A	B+	B	C*	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74 - 70%	69 - 60%	59 - 50%	49 - 40%	39 - 0%

* *Pass*



CHAPTER SEVEN

INSTITUTE OF ALLIED HEALTH SCIENCES

7.1. 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 offers programmes geared towards providing students with competencies related to diagnostic, curative, preventive, rehabilitative and restorative health care.

7.2. DIPLOMA PROGRAMMES

7.2.1. 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, preventive and promotive health services targeted towards individuals and communities. The programme is also intended to ensure that students are provided with the knowledge and skills necessary for sustainable and innovative health solutions by communities.

7.2.1.1. Entry requirements

Direct Entry

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

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 school certificate.

7.2.1.2. Diploma in Environmental Health Sciences (DEHS)

Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 62.0 Credits									
BE 100	Basic science in Environmental Health	CORE	99	16.5	33	16.5	165	330	33.0
YY 100	Parasitology and Microbiology	CORE	33	5.5	11	5.5	55	110	11.0
VC 100	Vector Biology, Ecology and Control	CORE	33	5.5	11	5.5	55	110	11.0
PE 100	Ethics in Professionalism	CORE	21	3.5	7	3.5	35	70	7.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 62.0 Credits									
CH 100	Community Health	CORE	84	14	28	14	140	280	28.0
DC 100	Disease Control	CORE	36	6	12	6	60	120	12.0
EB 100	Epidemiology and Biostatistics	CORE	33	5.5	11	5.5	55	110	11.0
HN 100	Human Nutrition	CORE	33	5.5	11	5.5	55	110	11.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 62.0 Credits									
FS 200	Food Safety and Hygiene	CORE	54	9	18	9	90	180	18.0
MH 210	Meat Safety and Hygiene	CORE	39	6.5	13	6.5	65	130	13.0
WQ 200	Water Quality and Supply	CORE	36	6	12	6	60	120	12.0
PC 210	Pollution Control	CORE	57	9.5	19	9.5	95	190	19.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 62.0 Credits									
HH 200	Housing and Health	CORE	30	5	10	5	50	100	10.0
ES 200	Environmental	CORE	102	17	34	17	170	340	34.0

	Sanitation								
BT 200	Building Technology	CORE	54	9	18	9	90	180	18.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 5: 62.0 Credits

PI 300	Property Inspection	CORE	42	7	14	7	70	140	14.0
EL 310	Environmental Health Laws	CORE	30	5	10	5	50	100	10.0
PA 300	Public Health Administration and Management	CORE	60	10	20	10	100	200	20.0
RT 300	Research Methodology	CORE	54	9	18	9	90	180	18.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 6: 62.0 Credits

FW 300	Field Work Attachment	CORE	-	7	-	14	259	280	28.0
EP 300	Entrepreneurship	CORE	30	5	10	5	50	100	10.0
RY 300	Project Planning & Management	CORE	36	6	12	6	60	120	12.0
HP 300	Health Policy and Programs	CORE	36	6	12	6	60	120	12.0

7.2.2. 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 machines, CT scan, MRI, Ultrasound, CR and digital Radiography facilities 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 introduce intravenous injections for contrast studies where applicable.

7.2.2.1. 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.

7.2.2.2. Diploma in Diagnostic Radiography (DDR) Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 62.0 Credits									
RI 100	Radiographic Imaging	CORE	80	20	10	10	30	140	14.0
CA 100	Computer Application	CORE	20	10	5	5	20	60	6.0
AP 101	Anatomy, Physiology and Pathology	CORE	90	20	10	10	30	160	16.0
ER 100	Ethics and Professionalism in Radiology and Imaging	CORE	40	10	10	10	0	70	7.0
PM 100	Patient Management	CORE	80	10	10	10	80	190	19.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 62.0 Credits									
IP 100	Imaging Physics	CORE	40	10	10	10	0	70	7.0
RP 101	Radiographic procedures	CORE	90	10	10	10	30	150	15.0
AP 102	Anatomy, Physiology and Pathology	CORE	40	10	10	10	0	70	7.0
RS 100	Radiation Sciences	CORE	50	10	5	5	20	90	9.0
CR 102	Clinical Rotation	CORE	0	0	0	0	240	240	24.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 62.0 Credits									
RE 200	Radiographic Equipment	CORE	70	10	5	5	10	100	10.0
RP 201	Radiographic Procedures	CORE	60	10	5	5	10	90	9.0
UI 100	Ultrasound Imaging	CORE	50	10	5	5	10	80	8.0
AP 201	Anatomy, Physiology and	CORE	80	10	10	10	0	110	11.0

	Pathology								
CR 201	Clinical Rotation	CORE	0	0	0	0	240	240	24.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 4: 62.0 Credits

RP 202	Radiographic Procedures	CORE	60	10	5	5	10	90	9.0
AP 202	Anatomy, Physiology and Pathology	CORE	70	10	10	10	0	100	10.0
DP 200	Disease Pattern Recognition	CORE	40	5	5	20	20	90	9.0
UI 200	Ultrasound Imaging	CORE	70	10	5	5	10	100	10.0
CR 202	Clinical Rotation	CORE	0	0	0	0	240	240	24.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 5: 62.0 Credits

RP 300	Radiographic Procedures	CORE	50	5	5	10	10	80	8.0
SE 300	Specialized Equipment	CORE	40	10	5	5	10	70	7.0
UI 300	Ultrasound Imaging	CORE	70	5	10	5	20	110	11.0
MA 300	Management and Administration	CORE	90	10	10	10	0	120	12.0
CR 301	Clinical Rotation	CORE	0	0	0	0	240	240	24.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 6: 62.0 Credits

IP 300	Radiographic Procedures	CORE	20	10	5	5	10	50	5.0
DP 300	Disease Pattern Recognition	CORE	50	5	5	10	10	80	8.0
QA 300	Quality Assurance	CORE	20	10	5	5	10	50	5.0
FW 300	Field Work	CORE	0	5	0	10	365	380	38.0
CR 302	Clinical Rotation	CORE	0	0	0	0	60	60	6.0

7.2.3. Diploma in Prosthetic and Orthotic Science Programme

This is a six-semester Diploma in Prosthetic and Orthotic Science (DPOS) Programme. The programme is intended to impart knowledge and skills to students on equipment and materials used in the evaluations, design, and fitting

of different orthopaedic appliances. It also helps students acquire correct attitude towards patient care.

7.2.3.1. Entry requirements

Direct Entry

Three credits pass 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.

7.2.3.2. Diploma in Prosthetic and Orthotic Science (DPOS) Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 62.0 Credits									
BS 100	Basic Science	CORE	54	0	9	9	18	90	9.0
OT 100	Orthotic Technical Skills								
OT 100.01	Technical skills Theory	CORE	36	0	6	6	12	60	6.0
OT 100.02	Technical skills Practical	CORE	24	0	12	12	72	120	12.0
MT 100	Material Technology	CORE	36	0	6	6	12	60	6.0
AO 100	Ankle and foot orthotic science								
AO 100.01	Ankle and foot orthotic Theory	CORE	36	0	6	6	12	60	6.0
AO 100.02	Ankle and foot orthotic Clinical Practice	CORE	46	0	23	23	138	230	23.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 62.0 Credits									
KO 100	Knee Orthotic science								
KO 100.01	Knee Orthotic Theory	CORE	36	0	6	6	12	60	6.0
KO 100.02	Knee Orthotic Clinical Practice	CORE	12	0	6	6	36	60	6.0
KA 100	Knee Ankle foot Orthotic Science								

KA 100.01	knee Ankle foot Orthotic Theory	CORE	36	0	6	6	12	60	6.0
KA 100.02	knee Ankle foot Orthotic Clinical Practice	CORE	52	0	26	26	156	260	26.0
GH 100	General Health Education	ELEC	36	0	6	6	12	60	6.0
LA 100	Lower limb Clinical assessment	CORE	36	0	6	6	12	60	6.0
AR 100	Applied Radiology	ELEC	36	0	6	6	12	60	6.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 62.0 Credits									
LP 200	Lower Limb Prosthetic Pathology	CORE	36	0	6	6	12	60	6.0
PT 200	Prosthetics Technical skills	CORE	36	0	6	6	12	60	6.0
AD 200	Ankle & foot Prosthetic science								
AD 200.01	Ankle & foot Prosthetic Theory	CORE	36	0	6	6	12	60	6.0
AD 200.02	Ankle & foot Prosthetic Clinical Practice	CORE	36	0	18	18	108	180	18.0
TT 200	Trans-tibial Prosthetic Science								
TT 200.01	Trans-tibial Prosthetic Theory	CORE	36	0	6	6	12	60	6.0
TT 200.02	Trans-tibial Prosthetic Clinical Practice	CORE	28	0	14	14	84	140	14.0
PG 200	Prosthetic Gait Training	CORE	36	0	6	6	12	60	6.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 62.0 Credits									
TF 200	Trans femoral prosthetic Science								
TF 200.01	Trans femoral prosthetic Theory	CORE	36	0	6	6	12	60	6.0
TF 200.02	Trans femoral prosthetic Clinical Practice	CORE	36	0	18	18	108	180	18.0
OP 200	Ortho-prosthetic Science								

OP 200.01	Ortho-prosthetic Theory	CORE	36	0	6	6	12	60	6.9
OP 200.02	Ortho-prosthetic Clinical Practice	CORE	16	0	8	8	48	80	8.0
KD 200	Knee Disarticulation								
KD 200.01	Knee Disarticulation Theory	CORE	36	0	6	6	12	60	6
KD 200.02	Knee Disarticulation Clinical Practice	CORE	24	0	12	12	72	120	12
LM 200	Leadership Management	ELEC	36	0	6	6	12	60	6

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 62.0 Credits									
SO 300	Spinal Orthotic Science								
SO 300.01	Spinal Orthotic Theory	CORE	36	0	6	6	12	60	6.0
SO 300.01	Spinal Orthotic Practical	CORE	24	0	12	12	72	120	12.0
HP 300	Hip Knee Ankle Foot Orthotic Science	CORE	28	0	14	14	84	140	14.0
RM 300	Research Methods	CORE	36	0	6	6	12	60	6.0
HD 300	Hip Disarticulation Prosthetic Science	CORE	24	0	12	12	72	120	12.0
UO 300	Upper Limb Orthotic Science	CORE	24	0	12	12	72	120	12.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 62.0 Credits									
UP 300	Upper limb Prosthetic Science	CORE	32	0	16	16	96	160	16.0
CP 300	Clinical placement	CORE	0	0	0	0	280	280	28.0
CR 300	P&O Clinical Rotation	CORE	0	0	0	0	180	180	18.0

7.3. ADVANCED DIPLOMA PROGRAMMES

7.3.1. Advanced Diploma in Dermatovenereology Programme

This is a four- semester programme in Advanced Diploma in Dermatovenereology (ADDV). 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 in both clinical and epidemiology for improvement of health services in the community.

7.3.2. 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)

Clinical Medical Officer (CO) in Tanzania. In other countries

- Medical Assistant
- Clinical Officer
- Nurse Clinician
- Family Nurse Practitioner or an equivalent level.

All applicants must possess O-level secondary school certificate with passes in Biology, Chemistry and Physics or Mathematics.

7.3.3. Advanced Diploma in Dermatovenereology (ADDV) Programme Courses

Code	Course Name	Hours	Lectures Seminar/ Field		Practical's/ Field		Total	
			Credits	Hours	Credits	Hours	Credits	Hours
SEMESTER 1: 57.6 Credits								
DV100	Fundamentals of Dermatology		120	12.0	225	22.5	345	34.5
ST 100	Sexually Trans- mitted 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
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
DV200	Applied Dermatology	60	6.0	176	17.6	236	23.6
ST 200	Sexually Trans- mitted 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

7.4. EXAMINATION REGULATIONS FOR 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 course or 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 in October 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. A candidate who fails the supplementary examination with an overall GPA of less than 1.8 shall be discontinued from studies.
- xi. A candidate who fails the first supplementary first year 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.
- xii. A candidate, who fails the second supplementary examination in semesters 1 & 2, 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.
- xiii. A candidate who fails three or more courses in semester 3 and 4 will be allowed to supplement failed courses when next offered provided the GPA is 1.6 or higher
- 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. In this case the maximum freezing period shall be two (2) semesters. A student who fails to clear the failed modules/courses within the two semesters shall be discontinued.
- xv. 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 semesters six (6), provided the maximum tenure of eight (8) semesters is

not exceeded. For Advanced Diploma in Dermatovenereology Programme (ADDV), candidate who fails second supplementary in semester 3 and 4 shall be allowed to supplement when next offered provided the maximum tenure of six (6) semesters is not exceeded.

- xvi. The highest grade a candidate can obtain after a supplementary is a “C”.
- xvii. 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.
- xviii. 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.
- xix. No candidate shall be allowed to sit for a third supplementary examination except in special circumstances as may be determined by the Senate and the provisions in section (xiv).
- xx. The maximum allowed period for registration shall be 8 semesters for Diploma programmes
- xxi. A candidate shall be awarded a Diploma after passing all modules in the programme and passing the Fieldwork and/or research Project Report as applicable.

7.4.1. The Grading system

The grading system shall be as *follows*:

Letter grade	A	B	C*	D	E
Grade points	4.0 - 5.0	3.0 - 3.9	2.0 - 2.9	1.0 - 1.9	0- 0.9
Marks %	80-100%	65 - 79%	50 – 64%	40 - 49%	0 - 39%

* Pass

7.4.2. REGULATIONS OF FIELD WORK/RESEARCH

As partial fulfilment 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 report shall 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.

7.5. EXAMINATION REGULATIONS FOR 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 course or 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 will be considered to have passed a course after passing all modules/rotations of the respective course.
- viii. A candidate who obtains an overall GPA of less than 1.6 at the end of audit year shall be discontinued from studies.
- ix. 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.
- x. A candidate who fails one or two courses/modules in semester one (1) or two (2) shall be allowed to sit for first supplementary in the failed modules in October if he/she obtained an overall GPA of 1.6 or more.
- xi. A candidate who fails the first supplementary examination with an overall GPA of less than 1.8 shall be discontinued from studies.
- xii. A candidate who obtains a GPA of 1.8 or higher in the first supplementary examination in semester (one) 1 and (two) 2 shall be allowed to freeze registration and appear for a second supplementary examination when

next offered. In this case the maximum freezing period shall be two (2) semesters. A student who fails to clear the failed modules/courses within the two semesters shall be discontinued.

- xiii. A candidate who fails the second supplementary examination in Semesters 3 and 4 shall be allowed to supplement the failed courses at the end of semesters four (4), provided the maximum tenure of six (6) semesters is not exceeded.
- xiv. The highest grade a candidate can obtain after a supplementary is a “C”.
- xv. Candidate who scores 50% or higher in a clinical/practical in 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. No candidate shall be allowed to sit for a third supplementary examination except in special circumstances as may be determined by the Senate.
- xvii. The maximum allowed period for registration shall be 6 semesters.
- xviii. A candidate shall be awarded Advanced Diploma after passing all modules in the programme and passing the Fieldwork and/or research Project Report as applicable.

7.5.1. The Grading system

The grading system shall be as follows:

Letter grade	A	B	C*	D	E
Grade points	4.0 - 5.0	3.0 - 3.9	2.0 - 2.9	1.0 - 1.9	0- 0.9
Marks %	80-100%	65 - 79%	50 – 64%	40 - 49%	0 - 39%

* Pass



CHAPTER EIGHT

INSTITUTE OF TRADITIONAL MEDICINE

8.1 INTRODUCTION

The Institute of Traditional Medicine has been involved in research in the area of ethnobiomedical practices and *materia medica* in Tanzania. Subsequently, the Institute carried out substantial pharmacological and phytochemical studies of medicinal plant samples culminating to formulation of various herbal products. In addition, the institute initiated Postgraduate training programmes in 2009/2010 aimed at improving the traditional practices and *materia medica* for the health benefits of Tanzanians and beyond.

8.2 DIPLOMA PROGRAMME

8.2.1. Diploma in Herbal Medicine Development Programme

This is a competency-based six-semester Diploma in Diploma in Herbal Medicine Development (DHMD) programme. The programme was initiated to create a cadre of personnel with knowledge, skills, and attitude to improve traditionally used remedies into credible finished herbal medicines that can be dispensed and used by the community, hence accelerate efforts of the nation to integrate traditional medicine in health care systems.

8.2.2. Entry requirements

Direct Entry

A minimum of D grade in Physics, Chemistry, Mathematics, Biology and English at O-level. A holder of A-level certificate will have an added advantage.

Equivalent Qualification

Certificate in pharmaceutical sciences, pharmacy, clinical medicine and laboratory sciences with a minimum GPA of 3.0 in NACTVET examination or recognized University by TCU and must have a minimum of D grade in Mathematics and English at O-level.

8.2.3. Diploma in Herbal Medicine Development (DHMD) Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 1: 63.0 Credits

HM 101	Basic human Anatomy and physiology	CORE	105	35	35	35	140	385	38.5
HM 102	Communication skills	CORE	10	30	10	20	60	130	13.0
HM 103	Pharmaceutical chemistry	CORE	55	30	10	20	10	125	12.5

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 2: 63.0 Credits

HM 104	Applied biosystematics, ethno-botany and good collection practices in herbal medicine	CORE	45	20	20	25	200	310	31.0
HM 105	Excipients for herbal medicines preparation	CORE	25	45	10	20	0	100	10.0
HM 106	Basic pharmacology and Bio-screening of herbal medicines	CORE	30	50	30	30	80	220	22.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 3: 63.0 Credits

HM 201	Calculation in herbal preparation	CORE	62	62	31	31	14	200	20.0
HM 202	Extraction methods for herbal materials	CORE	94	58	23	23	232	430	43.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 4: 63.0 Credits

HM 203	Preparation of herbal medicines	CORE	90	40	20	10	250	420	42.0
HM 204	Field practical	CORE	2	12	30	100	66	210	21.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 63.0 Credits									
HM 301	Quality parameters in herbal products	CORE	60	20	20	20	130	250	25.0
HM 302	Hygiene, safety and professionalism in provision of traditional medicine services	CORE	60	40	20	40	20	180	18.0
HM 303	Entrepreneurship skills	CORE	50	30	10	20	60	200	20

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 63.0 Credits									
HM304	Psychology and counseling	CORE	18	4	4	4	20	50	5.0
HM 305	Cross Examination and First aid	CORE	7	2	2	2	7	20	2.0
HM 306	Field Project	CORE	7	2	2	50	350	560	56.0

8.3 EXAMINATION REGULATIONS FOR DIPLOMA IN HERBAL MEDICINE DEVELOPMENT

- 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 of this prospectus.
- The academic year shall be the basic academic audit unit.
- Registration shall be done once at the beginning of each semester.
- The main format for assessment that will be used in this programme include, assignment, field report, supervision report, practical assessment, written and oral examinations, pharmacy rotation assessment. 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.
- 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 course or 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 in October 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. A candidate who fails the supplementary examination with an overall GPA of less than 1.8 shall be discontinued from studies.
- xi. A candidate who fails the first supplementary first year 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.
- xii. A candidate, who fails the second supplementary examination in semesters 1 & 2, 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.
- xiii. A candidate who fails three or more courses in semester 3 and 4 will be allowed to supplement failed courses when next offered provided the GPA is 1.6 or higher.
- 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. In this case the maximum freezing period shall be two (2) semesters. A student who fails to clear the failed modules/courses within the two semesters shall be discontinued.
- xv. 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 semesters six (6), provided the maximum tenure of eight (8) semesters is not exceeded.

- xvi. The highest grade a candidate can obtain after a supplementary is a “C”.
- xvii. 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.
- xviii. 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.
- xix. No candidate shall be allowed to sit for a third supplementary examination except in special circumstances as may be determined by the Senate and the provisions in section (xiv).
- xx. The maximum allowed period for registration shall be 8 semesters for this Diploma programme.
- xxi. A candidate shall be awarded a Diploma in Herbal Medicine Development after passing all modules in the programme and passing the Fieldwork and/or research Project Report as applicable.

8.4 The Grading system

The grading system shall be as follows:

Letter grade	A	B	C*	D	E
Grade points	4.0 - 5.0	3.0 - 3.9	2.0 - 2.9	1.0 - 1.9	0- 0.9
Marks %	80-100%	65 - 79%	50 – 64%	40 - 49%	0 - 39%

* *Pass*

8.5 REGULATIONS OF FIELD WORK/RESEARCH

As partial fulfilment for the award of Diploma in Herbal Medicine Development, the student is required to perform fieldwork attachment in an approved station, write and present a report of that field work to school academic committee. The report will be marked and assigned marks as an independent modular course. Candidates who do not submit their reports at this period without a valid reason will be required to supplement the fieldwork.

- i. The duration of fieldwork will be 8 weeks.
- ii. Students will be supervised by the pharmacist at their station and visited for assessment by tutor from the school.
- iii. Report and presentation should be done within three weeks after completion of the course
- iv. The pass mark for fieldwork is 50%. A student who will fail to score 50%

- will be required to repeat the field work
- v. The scoring of the field work portfolio or report shall be divided as follows:
- Supervision from the Fieldwork Station – 20%
 - Oral presentation – 20%
 - Supervision by the Tutor – 10%
 - Fieldwork Portfolio or Report – 50%
 - TOTAL – 100%

Work integrated learning

Upon graduation, students are required to obtain provisional license from the Traditional and Alternative Health Practitioners Council (TAHPC). The provisional license requires the students to secure a job place and work under supervision of competent registered professional for one year. After one year the student will be required to apply for full registration and attach his/her application letter with academic certificates, transcript and recommendation from the supervisor he/she was working under supervision.

CHAPTER NINE

FEES AND SPECIAL FACULTY REQUIREMENTS

9.1 FEE STRUCTURE

All students shall promptly pay their dues to the university. For students sponsored by the government of Tanzania shall 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)	Tuition fee per year (Foreign Students) USD	Discipline/ Degree Programme
1	1,800,000.00	5,672	Doctor of Medicine
2	1,700,000.00	5672	Bachelor of Biomedical Engineering (BBME)
3	1,700,000.00	5672	Bachelor of Science in Diagnostic and Therapeutic Radiography (BSc Rad) Bachelor of Science in Physiotherapy Bachelor of Science in Occupational Therapy Bachelor of Science in Audiology and Speech Language Pathology Bachelor of Science in Medical Psychology
4	1,700,000.00	5672	Doctor of Dental Surgery Bachelor of Science in Dental laboratory Technology (BSc -

			DLT)
5	1,600,000.00	4,408	Bachelor of Pharmacy
6	1,500,000.00	4,408	Bachelor of Science in Environmental Health Sciences Bachelor of Medical Laboratory Sciences
7	1,400,000.00	3,612	Bachelor of Science in Nursing Bachelor of Science in Midwifery Bachelor of Science in Nurse Anesthesia

9.1.2 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)	10,000.00	10 US\$
Registration	5,000.00	10US\$
Annual quality assurance fee	20,000.00	20\$
Examination Fee	12,000.00	12,000.00 TZS
Graduation Fee (Once)	(5,000.00)	(5,000.00) TZS
Identity Card	10,000.00	10,000.00 TZS
Student Emergency Fund (First year students)	20,000.00	20US\$
Student Emergency Fund (Continuing students)	3,000.00	-
National Health Insurance Funds (NHIF)	50,400.00	50,400.00 TZS
Caution Money	10,000.00	10,000.00 TZS
Student Union Fee	10,000.00	10,000.00 TZS

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

9.1.3 Direct Student Costs (Payable Directly to Students)

Item	TZS
Book and Stationery Allowance	200,000
Meal Allowance and accommodation	3,130,000.00

Research Project/Field Cost for Doctor of Medicine, Doctor of Dental Surgery, Bachelor of Medical Laboratory Sciences (BMLS), Bachelor of Biomedical Engineering, Bachelor of Science in Diagnostic and Therapeutic Radiography (BSc. RAD), Bachelor of Pharmacy, Bachelor of Science in Nursing, Bachelor of Science in Midwifery, Bachelor of Science in Nurse Anaesthesia, Bachelor of Science in Environmental Health, Bachelor of Science in Physiotherapy, Bachelor of Science in Audiology and Speech Language Pathology, Bachelor of Science in Occupational Therapy, Bachelor of Science in Medical Psychology, Bachelor of Science in Optometry, and Bachelor of Science in Dental Laboratory Technology.

S/N	AREA OF SPECIALIZATION/FIELD COST	COST
1	BSc Diagnostic and Therapeutic Radiography	760,000.00
2	BMLS	500,000.00
3	Bachelor of Pharmacy	760,000.00
4	Doctor of Medicine	660,000.00
5	Doctor of Dental Surgery	660,000.00
6	Bachelor of Science in Environmental Health	500,000.00
7.	Bachelor of Science in Nursing	500,000.00
8	Bachelor of Science in Midwifery	500,000.00
9	Bachelor of Science in Nurse Anaesthesia	500,000.00
10	Bachelor of Biomedical Engineering (BBME)	500,000.00
	Industrial Practical Training per year for 3 yrs	700,000.00
11	Bachelor of Science in Physiotherapy	760,000.00
12	Bachelor of Science in Diagnostic and Therapeutic Radiography (BSc. RAD)	760,000.00
13	Bachelor of Science in Audiology and Speech Language Pathology	760,000.00
14	Bachelor of Science in Occupational Therapy	760,000.00
15	Bachelor of Science in Dental Laboratory Technology	760,000.00

16	Bachelor of Science in Medical Psychology	760,000.00
17	Bachelor of Science in Optometry	760,000.00

- i. Students who extend their duration of studies at MUHAS beyond the official tenure will be required to register per year extension. The registration fees will be a must for the extra year that students will spend at the University to accomplish their studies despite.

9.1.4 EXTENSION FEE FOR UNDERGRADUATE PROGRAMMES

Discipline/Programmes Cluster	Tanzanian students (TZS)	Foreign students (USD)
Bachelor of Science in Nursing, Bachelor of Science in Midwifery and Bachelor of Science in Nursing Anaesthesia.	532,400.00	1,149.3
Bachelor of Environmental Health Sciences, Bachelor of Medical Laboratory Sciences and Bachelor of Science in Diagnostic and Therapeutic Radiography.	562,400.00	1,388.1
Bachelor of Pharmacy.	592,400.00	1,388.1
Doctor of Dental Surgery.	622,400.00	1,767.3
Bachelor of Biomedical Engineering	622,400.00	1,767.3
Bachelor of Science in Physiotherapy	592,400.00	1,388.1
Doctor of Medicine.	652,400.00	1,767.3
Bachelor of Science in Audiology and Speech Language Pathology	592,400.00	1,388.1
Bachelor of Science in Occupational Therapy	592,400.00	1,388.1
Bachelor of Science in Dental Laboratory Technology	592,400.00	1,388.1
Bachelor of Science in Medical Psychology	592,400.00	1,388.1
Bachelor of Science in Optometry	592,400.00	1,388.1

9.2 STUDENTS' SPECIAL PROGRAMME REQUIREMENTS

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 respective schools

that they intend to apply for more details, including indicative cost implication.

All students are required to own, and utilize these items in their rotations and examinations. Failure to abide to these regulations may bar a student from the clinic/ward/practical examinations.

9.2.1 CAMPUS COLLEGE OF MEDICINE

9.2.1.1 MD PROGRAMME

S/N	MD 1	MD 2	MD 3	MD 4	MD 5
1	Gloves	Sphygmoma- nometer	Diagnostic Kit	Theatre boots/ cros	Delivery Kits
2	Apron	Patella Ham- mer	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 protec- tion gear/ goggles	Aprons
5	Name Tag	Stethoscope		Masks and Caps	Eye pro- tection gear/ goggles
6	Dissection kit	Clinical coat		Sphygmo- manometer	Masks and Caps
7	Goggles			Clinical Coats	Clinical Coat
8	Calculator	Neck ties/scarf		Pen-torch and batter- ies	Pen-torch and bat- teries
9				Neck ties/ scarves	

9.2.1.2 OTHER PROGRAMMES

S/N	BMLS	BSc RAD
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	Neckties/Scarf	Neckties/Scarf
7	Sphygmomanometer	Sphygmomanometer
8	Stethoscope	Stethoscope
9	Protective goggles	Protective goggles
10	Lab Coat	Dosimeter
11	Slide holder	
	BBME	TZS
	Transport fare to attend IPT	Variable
	Special Faculty Requirement (TZS 300,000 each for Semester 1 – 6 and 120,000 for semester 7&8)	1,020,000.00
	BSc. ASLP & BSc. OT	TZS
	semester 1 and 2	300,000
	semester 3 to 8	450,000
	BSc. Medical Psychology	TZS
	Semester X	XXX
	Semester Y	XXX
	BSc. Optometry	TZS
	Semester X	XXX
	Semester Y	XXX

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	Sphygmoma-nometer	Diagnostic/Intra Oral examina- tion 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		Clinical Coats	Diamond burs		Diamond burs
11		Pen- torch and batteries	Carbide burs		Carbide burs
12		Diamond burs	Stainless steel burs		Stainless steel burs
13		Carbide burs	Neckties/ scarves		Neckties/ scarves
14		Stainless steel burs			

9.2.2.2 BSc. DENTAL LABORATORY TECHNOLOGY PROGRAMME

S/N	BSc. DLT1 to BSc. DLT4
1	Dental laboratory instrument Kit
2	Gloves

3	Calculator
4	Laboratory coats
5	Goggles
6	Name Tags
7	Face mask
8	Masks and Caps
9	Neck ties/ scarf
10	Vernier caliper
11	Laboratory micromotor and handpiece

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 filler	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		

9.3.4 SCHOOL OF NURSING

9.3.4.1 BSc. NURSING PROGRAMME

S/	BSc N 1	BSc N 2	BSc N 3	BSc N 4
1	Gloves	Neckties/scarv	Gloves	Gloves
2	Sphygmomanometer	Calculator	Masks and caps	Pediatric Sphyg-

3	Diagnostics Kit	Name tag	Theatre	Flash disk
4	Laboratory coats		Theatre trouser and	Alarm whistle
5	Tape measure		Theatre	Pen- torch bat-
6	Pair of scissors		Delivery	Neckties/Scarves
7	Thermometer		Fetoscope	Uniforms
8	Shoes, Pen torch and batteries		Shoes	
9	Stethoscope		Uniform	
10	Name tag		Pen-torch and batteries	
11	Uniform			
12	Neck ties/scarves		Neck ties/ scarves	

9.3.4.2 BSc. MIDWIFERY PROGRAMME

S/N	BSc M 1	BSc M 2	BSc M 3	BSc M 4
1	Gloves	Neckties/scarv	Uniform	Gloves
2	Sphygmomanometer	Calculator	Gloves both clean and sterile	Uniform
3	Diagnostics Kit	Name tag	BP machine	Stethoscope
4	Laboratory coats		Stop watch	Sphygmomanometer for Adult and
5	Tape measure		Tape	Pulse oximeter
6	Pair of scissors		Stethoscope	Pinard fetoscope
7	Thermometer		Fetoscope	Thermometer
8	Shoes, Pen torch and batteries		LCG case logbook	Tape measure
9	Stethoscope		Reflex	Stop watch
10	Name tag		Gestational	Pen torch
11	Uniform			
12	Neck ties/scarves			

9.3.4.3 BSc. NURSING ANAESTHESIA PROGRAMME

S/N	BSc NA 1	BSc NA 2	BSc NA 3	BSc NA 4
1	Gloves	Pulse oximeter	Stethoscope	(Green and Dark
2	Sphygmomanomet	Bp machine	Lab coat	Clinical coat
3	Diagnostics Kit	Pen torch	Uniform	Crocs
4	Laboratory coats			
5	Tape measure		Theater	Physical
6	Pair of scissors			Markpen
7	Thermometer			Blue/black pen
8	Shoes, Pen torch and batteries			
9	Stethoscope			
10	Name tag			
11	Uniform			
12	Neck ties/scarves			

9.3.5 SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

9.3.5.1 BSc EH PROGRAMME

S/N	BScEH 1	BScEH 2	BScEH 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		



CHAPTER TEN

ACADEMIC AND ADJUNCT STAFF

10.1 LISTS OF ACADEMIC STAFF AT MUHAS

LIST OF ACADEMIC STAFF				
S/N	NAME	SEX	ACADEMIC RANK	QUALIFICATIONS
CAMPUS COLLEGE OF MEDICINE				
SCHOOL OF CLINICAL MEDICINE				
Anaesthesiology				
1	S.H. Mrutu	M	Lecturer and Head	MD, MMed (MUHAS)
2	E.R. Lugazia	M	Lecturer	MD, MMed (UDSM), FCTA (India) MBA
3	H.B. Msanga	M	Lecturer	MD, MMed (MUHAS)
4	M.D. Tupa	F	Tutorial Assistant	MD (MUHAS)
5	A.A. Jongo	F	Lecturer	MD, MMed (MUHAS)
Emergency Medicine				
6	S.S. Kilindimo	M	Lecturer and Head	MD (UDSM), MMed (Stellenbosch, SA)
7	E.G. Mapunda	F	Lecturer	MD, MMed (MUHAS)
8	H.G. Medarakini	M	Lecturer	MD, MMed (MUHAS)
9	M.F. Omar	M	Tutorial Assistant	MD (MUHAS)
10	E. Mmbando	M	Lecturer	MD, MMed (MUHAS)

11	A.H. Mshale	F	Tutorial Assistant	MD (MUHAS)
12	J.J. Butamo	M	Tutorial Assistant	MD (MUHAS)
Orthopaedic and Traumatology				
13	G. Njambilo	M	Lecturer and Head	MD, MMed (MUHAS)
14.	B.T. Haonga	M	Associate Professor	MD (Warsaw), MMed (MUHAS)
15	L.L. Tumaini	M	Tutorial Assistant	MD (MUHAS)
16	R.S. Msemo	M	Tutorial Assistant	MD (MUHAS)
17	B.B. Marwa	M	Tutorial Assistant	MD (MUHAS)
Internal Medicine				
18.	E.V. Komba	M	Lecturer and Head	MD (UDSM), MMed, MSc Gastroenterology
19	M.B. Kambi	M	Professor	MD, MMed (UDSM), PhD
20	P.J. Munseri	F	Associate Professor	MD, MMed (UDSM), MPH (Dartmouth), PhD (Karolinska)
21	P.M. Chillo	F	Associate Professor	MD, MMed (MUHAS), PhD (Bergen)
22	G.A. Shayo	F	Associate Professor	MD (UDSM), MMed, PhD (MUHAS)
23	R.K. Mutagavwa	M	Senior Lecturer	MD (UDSM), MMed, MSc (MUHAS)
24	*B.B. Tumaini	M	Lecturer	MD (MUHAS), MMed (MUHAS)
25	S.M. Moledina	M	Lecturer	MD, MMed (MUHAS)
26	*D.P. Msilanga	M	Lecturer	MD (KCMUCo), MMed (MUHAS)
27	*J.J. Mlay	M	Lecturer	MBChB (Makerere), MMed (MUHAS)

28	D.G. Paulo	M	Lecturer	MD, MMed (MUHAS)
29	I. Jonathan	F	Lecturer	MD, MMed (MUHAS)
30	E.T. Msangi	F	Tutorial Assistant	MD, MMed (MUHAS)
31	H.F. Hyera	F	Lecturer	MD, MMed (MUHAS)
32	S.C. Marwa	M	Tutorial Assistant	MD (MUHAS)
33	F.A. Massawe	M	Senior Lecturer and Head	MD, MMed (MUHAS), PhD (Upsalla)
34	A.B. Pembe	M	Professor	MD, MMed (UDSM), PhD
35	P.T. Wangwe	M	Senior Lecturer and Dean	MBChB (Makerere), MMed (UDSM)
36	F.M. Alwy	F	Senior Lecturer	MD, MMed (MUHAS), PhD (Kalorinska)
37	B.S. Balandya	F	Lecturer	MD, MMed (MUHAS)
38	A.M. Saidi	M	Lecturer	MD, MMed (MUHAS), PhD (Uppsala)
39	A.I. Kikula	M	Senior Lecturer	MD (MUHAS), MMed (MUHAS)
40	B.A. Muro	M	Lecturer	MD (KCMUCo), MMed (MUHAS)
41	Z.H. Yussuf	F	Lecturer	MD (MUHAS), MMed (MUHAS)
42	M. Mkonyi	F	Lecturer	MD (MUHAS), MMed (MUHAS)
43	M.E. Bweli	M	Tutorial Assistant	MD (MUHAS)
44	E.I.M. Lwinda	M	Tutorial Assistant	MD (MUHAS)
45	M. Izengo	F	Tutorial Assistant	MD (MUHAS)
Ophthalmology				

46	H.E. Masuki	F	Lecturer and Head	MD, MMed (MUHAS)
47	C.F. Mhina	F	Lecturer and Head	MD, MMed (MUHAS)
48	N.S. Mosenene	F	Lecturer	MD (Havana), MMed (MUHAS)
49	F.A. Shengeza	M	Lecturer	MD (MUHAS), MMed (MUHAS)
50	S.S. Sachedina	F	Tutorial Assistant	MD (MUHAS)
51	N.W. Swai	M	Lecturer	MD (MUHAS), MMed (MUHAS)
52	C.A. Mauki	M	Tutorial Assistant	MD (MUHAS)
53	K.L. Mkenda	F	Tutorial Assistant	MD (MUHAS)
54	S. Ching'ang'a	M	Tutorial Assistant	MD (MUHAS)
Othorhinolaryngology				
55.	D.C. Ntunaguzi	M	Lecturer and Head	MD, MMed (MUHAS)
56.	E.R. Massawe	F	Associate Professor	MD, MMed (UDSM)Clin. Fellowship in Rhinology (Tan Tock Seng Hospital,
57.	A.A. Kahinga	F	Senior Lecturer	MD, MMed (MUHAS), Fellowship in Otology (Yonsei Severance Hospital,
58.	K.B. Mapondela	M	Senior Lecturer	MD (Tumaini), MMed (MUHAS), Cert. Allergology &
59.	I.F. Mwita	M	Lecturer	MD (MUHAS), MMed (MUHAS)
60.	J.C. Kessy	M	Lecturer	MD (MUHAS), MMed (MUHAS)
61.	A.D. Mrema	M	Tutorial Assistant	MD (MUHAS)
62.	C.M. Misoji	M	Tutorial Assistant	MD (MUHAS)
63.	A.S. Ntoga	M	Tutorial Assistant	MD (MUHAS)

Paediatrics and Child Health				
64.	F.F. Furia	M	Associate Professor and Head	MD, (UDSM), MMed (MUHAS), MSc – Nephrology (MUHAS), PG Dipl Paediatric Nephrology (UCT), Cert. Paed.
65.	H.E. Naburi	F	Associate Professor	MD, MMed, (UDSM), MPH (Dartmouth), PhD (Karolinska)
66.	N.S. Masoud	F	Associate Professor	MD (UDSM), MMed (MUHAS), PhD
67.	E.N. Kija	M	Senior Lecturer	MD, MMed (MUHAS), Cert. Paediatric Neurology (College of Medicine of SA), Mphil
68.	R. Kisenge	M	Associate Professor	MD, MMed (UDSM), PhD
69.	L.F. Chirande	F	Senior Lecturer	MD, MMed (MUHAS), Fellowship of Paed. Haematology & Oncology
70.	D.A. Nkya	M	Lecturer	MD, MMed (MUHAS), Cert. Paed. Cardiology (College of Medicine of SA),
71.	E.N. Assenga	F	Lecturer	MD (UDSM), MMed (MUHAS), Cert. Neonatology (College of Medicine of SA),
72.	F.D. Kimaro	F	Lecturer	MD (MUHAS), MMed (CUHAS)
73.	H.C. Malyas	F	Lecturer	MD, MMed (MUHAS)

74.	O.H. Urrio	M	Lecturer	MD, MMed (MUHAS)
75.	J.M. Nyambabe	M	Tutorial Assistant	MD (MUHAS)
76.	J.M. Mwalongo	M	Tutorial Assistant	MD (MUHAS)
Psychiatry and Clinical Psychology				
77.	D.P. Mushi	F	Senior Lecturer and Head	MD (UDSM), MMed (MUHAS)
78.	S.L. Likindikoki	M	Senior Lecturer	MD (UDSM), MMed (MUHAS)
79.	S.F. Kaaya	F	Professor	MD (UDSM), Dip. Psych, MSc. Med., (Manchester) PhD
80.	E.S. Mzilandwe	F	Lecturer	MD, MMed (MUHAS)
81.	*I.S. Lema	M	Assistant Lecturer	BSc (TU-IUCo), MSc (MUHAS)
82.	*M.N. Kilonzo	M	Assistant Lecturer	BSc (Malaysia), MSc Psychol
83.	*T.D. Njau	F	Assistant Lecturer	BSc Couns. Psych (Iringa), MSc Clin Psychol (MUHAS)
84.	H.H. Mwaipopo	F	Tutorial Assistant	MD (MUHAS)
85.	R.A. Hamad	F	Tutorial Assistant	MD (MUHAS)
Clinical Oncology				
86.	S. J. Lidenge	M	Senior Lecturer and Head	MD, MMed (MUHAS), PhD (USA)
87.	*C.V. Melieheya	F	Lecturer	MD (MBARARA), MMed (MUHAS)
88.	F.Y. Paulo	M	Assistant Lecturer	BSc RTT, MSc (MUHAS)
89.	Q.G. Tarimo	F	Lecturer	MD, MMed (MUHAS)
90.	L.E. Mallya	F	Tutorial Assistant	MD (Cuba)

91.	D.B. Mtei	M	Tutorial Assistant	MD (MUHAS)
Surgery				
92.	A.H. Mwanga	M	Senior Lecturer and Head	MD (UDSM), MMed, MSc Surgical Gastroenterology & Hepatology (MUHAS)
93.	M.D. Mchembe	M	Associate Professor	MD (UDSM), MMed (UDSM)
94.	O.V. Nyongole	M	Associate Professor	MD, MMed (MUHAS), MSc Urology (Tumaini)
95.	L.O. Akoko	M	Associate Professor	MD (UDSM), MMed (MUHAS), Fellowship in Gastrointestinal Surgical
96.	R.H. Khamisi	M	Lecturer	MD (UDSM), MMed (MUHAS),
97.	M.J. Byomuganyizi	M	Lecturer	MD, MMed (MUHAS)
98.	F.A. Mushi	F	Lecturer	MD, MMed (MUHAS)
99.	N.E. Kivuyo	F	Senior Lecturer	MD, MMed (MUHAS)
100.	M. Misidai	M	Lecturer	MD, MMed (MUHAS)
101.	D.W. Kitua	M	Lecturer	MD (HKMU), MMed (MUHAS)
102.	N.R. Swago	M	Tutorial Assistant	MD (MUHAS)
108.	G.M. Haule	M	Tutorial Assistant	BSc Physiotherapy (KCMCo)

SCHOOL OF DIAGNOSTIC MEDICINE

Hematology and Blood Transfusion

109.	C.C. Chamba	F	Lecturer and Head	MD (HKMU), MMed (MUHAS)
110.	J.B. Makani	F	Associate Professor	MD (UDSM), MRCP (UK),
111.	M.A. Lyimo	F	Lecturer	MD, MMed (UDSM), PhD
112.	A.M. Nasser	F	Lecturer	MD (MUHAS), MMed (MUHAS)

113.	W.F. Mawalla	M	Lecturer	MD, MMed (MUHAS)
114.	M.M. Ally	M	Lecturer	MD. MMed (MUHAS)
115.	Y.S. Mtali	M	Lecturer	BSc HLS (KCMCo), MSc (MUHAS), PhD (Kumamoto)
116.	L.R Mlanzi	F	Tutorial Assistant	MD (MUHAS)
117.	E.B. Buberwa	M	Tutorial Assistant	BMLS (MUHAS)
118.	J.J. Nyamataga	M	Tutorial Assistant	MD (MUHAS)
119.	D.B. Syoai	M	Research Fellow	BMLS (MUHAS)

Pathology

120	A. Kimambo	F	Lecturer and Head	MD, MMed (MUHAS)
121.	A.R. Mwakigonja	M	Associate Professor	MD, MMed (UDSM), PhD (Karolinska), FCPATH (ECSA)
122.	E.E. Kabyemela	M	Senior Lecturer	MD, MSc (UDSM), PhD (Tumaini)
123.	*S. Haule	M	Tutorial Assistant	BMLS (MUHAS)
124.	S.S. Ramadhani	M	Lecturer	MD, MMed (MUHAS)
125.	A.B. Mashaka	M	Lecturer	MD, MMed (MUHAS)

126.	T.T. Mushi	F	Lecturer	MD, MMed (MUHAS)
127.	N.F. Kileo	F	Tutorial Assistant	BMLS (MUHAS)
128.	E. Kaijage	M	Tutorial Assistant	BMLS (MUHAS)
129.	A.P. Mbeya	M	Tutorial Assistant	BMLS (MUHAS)
130.	B. Mugeta	M	Tutorial Assistant	BMLS (MUHAS)
	Microbiology & Immunology			
131.	J.P. Manyahi	M	Associate Professor and Head	MD (UDSM), MMed (MUHAS), PhD (Bergen University)
132.	A.J. Mkumbara	F	Associate Professor	MD (UDSM), MMed (MUHAS), PhD
133.	D.D. Kamori	F	Associate Professor	MD (CUHAS), PhD (Japan)
134.	M.V. Majigo	M	Lecturer	MD (UDSM), MMed (UDSM)
135.	S.S. Masoud	M	Senior Lecturer	MD (Tumaini), MSc (Nottingham), BSc (MUHAS)
136.	L.B. Nkinda	F	Assistant Lecturer	BSc HLS (KCMCo), MSc (Moi Uni.)
137.	A. J. Charles	F	Assistant Lecturer	BMLS (SUA), MSc. (MUHAS)
138.	U.O. Kibwana	F	Assistant Lecturer	BSc HLS (KCMUCo), MSc (MUHAS)

139.	D.S. Renatus	M	Tutorial Assistant	BMLS (MUHAS)
140.	M.M. Majura	M	Tutorial Assistant	BMLS (MUHAS)

Radiology and Imaging

141.	M.M. Jacob	M	Senior Lecturer and Head	MD, MMed (MUHAS), PhD
142.	*Z.F. Nkrumbih	F	Lecturer	MD, MMed (MUHAS)
143.	L.S. Fundikira	F	Senior Lecturer	MD, MMed (CUBA), PhD (Ulrich, Netherlands)
144.	M.B. Balowa	M	Lecturer	MD, MMed, MSc Intervention Radiology
145.	L. Salingwa	F	Lecturer	MD, MMed (MUHAS)
146.	M.A. Salehe	F	Lecturer	MD (KCMCo), MMed, MSc Neuro-radiology
147.	M.A. Shemweta	F	Lecturer	MD, MMed (MUHAS)
148.	U.M. Akberali	F	Lecturer	MD (KCMCo), MMed (MUHAS)

SCHOOL OF BIOMEDICAL SCIENCES

Anatomy and Histology

149.	D.A. Russa	M	Associate Professor	BVM (SUA), MSc (Utrecht), PhD (Iwate, Japan)
150.	*E.H. Suluba	M	Assistant Lecturer and Head	MD (UDSM), MSc (MUHAS)
151.	*G.E. Towo	M	Assistant Lecturer	MD (UDSM), MSc (MUHAS)

152	*A.K. Hamad	M	Assistant Lecturer	DDS (Cuba), MSc (MUHAS)
153	*P.F. William	M	Assistant Lecturer	MD (MUHAS), MSc (MUHAS)
154	A.E. Furaha	M	Assistant Lecturer	MD (MUHAS), MSc (MUHAS)
155	K. Kinyota	M	Tutorial Assistant	MD (MUHAS)
156	N.G. Manyasima	M	Tutorial Assistant	MD (MUHAS)

Biochemistry				
157.	F.H. Urrio	F	Lecturer and Head	BSc (Namibia), MSc Mol Biol (Linkoping), PhD (MUHAS)
158.	E.V. Mbugi	M	Professor	BVM, MVM (SUA), PhD (Wageningen, NL), Post Doc (MUHAS)
159.	S.W. Nkya	F	Senior Lecturer	BSc (UDSM), MSc (UDSM), PhD
160.	F.A. Dida	M	Lecturer	MD (UDSM), PhD (Mie, Japan)
161.	M.Z.A. Mohamed	M	Lecturer	BSc (Manipal, India), MSc, PhD (Groningen,
162.	*B.S. Mkumbe	M	Assistant Lecturer	BSc (UDSM), MSc (Sebras Maret Surakarta, Central
163.	J.J. Hayola	M	Assistant Lecturer	BSc (SUA), MSc (SUA)
164.	*K.S. Ndaki	M	Assistant Lecturer	BSc (UDSM), MSc (SUA)
165.	*C.E. Rukondo	F	Assistant Lecturer	BSc (St Joseph University), MSc
166.	*A.A. Siima	F	Assistant Research Fellow	BSc (Mwenge Catholic University), MSc
167.	R.B. Mbwambo	F	Assistant Lecturer	BSc (SUA), MSc (University of Nairobi)

168.	*H.Y. Wawa	F	Tutorial Assistant	BEd (UDSM)
169.	A.H. Kiula	M	Assistant Lecturer	BSc (UDSM), MSc
170.	E.J. Saukiwa	M	Assistant Lecturer	BSc (SUA), MSc (University of Oxford)
171.	*M.M. Kasim	M	Tutorial Assistant	BMLS (MUHAS)

Clinical Pharmacology

172.	R.H. Mnkugwe	M	Senior Lecturer and Head	MD, MSc (MUHAS), PhD (Karolinska)
173.	P.G. Sasi	M	Senior Lecturer	MD, MMed (UDSM), PhD (MUHAS)
174.	S.F. Mugusi	F	Senior Lecturer	MBBS (IMTU), PhD (Karolinska)
175.	*T.M. Mwakyandile	F	Assistant Lecturer	MD, MSc (MUHAS)
176.	*M.A. Khalfan	M	Assistant Lecturer	MD (MUHAS), MPH (MUHAS), MSc
177.	J.J. Madaha	M	Tutorial Assistant	MD (MUHAS)
178.	D.G. Surumbu	F	Tutorial Assistant	MD (MUHAS)
179.	I.G. Msamba	F	Tutorial Assistant	MD (MUHAS)
180.	K.R. Mwageni	M	Tutorial Assistant	MD (MUHAS)
181	L.J. Shofeli	F	Tutorial Assistant	MD (MUHAS)

Biomedical Engineering

182.	D. Mzurikwao	M	Lecturer and Head	BE (Electronics & Comm. Eng (St Joseph University of Tanzania), ME (Tianjin, China),
183.	*E.B. Eduard	M	Lecturer	BSc (UDSM), MSc (UDOM), PhD
184.	S.M. Sahani	M	Lecturer	BSc (UDOM) MSc (AIMS), MSc UDOM),

185.	*T. Kabika	M	Assistant Lecturer	BSc (UDSM), MSc (TUTE), MSc (Anhalt)
186.	R.R. Said	M	Lecturer	BEng (MUST), MSc (UESTC, China), PhD (UESTC, China)
187.	*O.H. Pinda	M	Assistant Lecturer	ADE (MUST) PGD, ME (UDSM), ME (Anhalt)
188.	L.C. Mpande	M	Assistant Lecturer	BSc Math (AIMS), MSc (UDOM)
189.	P.V. Msekwa	M	Tutorial Assistant	BSc Comp Science (St. Joseph)
190.	M.E. Kalleku	F	Assistant Lecturer	BEng (Arusha TC), MSc (Strathclyde)
191.	A.I. Nchullah	F	Assistant Lecturer	BEng (Arusha TC), MSc (Strathclyde)
192.	A.A. Ebrahim	F	Assistant Lecturer	MD (MUHAS), MSc (Edinburgh)
193.	*S.E. Ndomba	M	Tutorial Assistant	BSc (Prosthetic and Orthotics (KCMCo)
194.	*T.M. Matandala	M	Tutorial Assistant	BSc (Prosthetic and Orthotics (KCMCo)

Physiology				
195.	A.M. Tungu	M	Senior Lecturer and Head	MD (MUHAS), PhD (Bergen)
196.	E.C. Balandya	M	Associate Professor	MD (UDSM), PhD (Dartmouth)
197.	O.M. Chillo	M	Lecturer	MD (MUHAS), PhD (Munich)
198.	D.L. Ngarashi	M	Lecturer	MD (MUHAS), MSc. (MUHAS), PhD (Shiname, Japan)
199.	*F.L. Mashili	M	Senior Lecturer	MD (UDSM), PhD (Karolinska)

200.	G.N. Kiwango	M	Assistant Lecturer	MD (KCMCo), MSc (MUHAS)
201.	E.P. Kisali		Assistant Lecturer	MD (MUHAS), MSc (Edinburgh)
202.	I.C. Muzokolo	F	Tutorial Assistant	MD (MUHAS)

SCHOOL OF PHARMACY				
Clinical Pharmacy and Pharmacology				
203.	A.I. Marealle	M	Lecturer and Head	BPharm (MUHAS), MSc (MUHAS), PhD
204.	A.A.R. Kamuhabwa	M	Professor	BPharm (UDSM), Mpharm Sc, PhD (KU)
205.	O.M. Minzi	M	Professor	MSc Pharm (Pyatigorsk), MSc (VUB-Vrije, Brussels),
206	R.F. Mutagonda	F	Senior Lecturer	BPharm, MSc (MUHAS), PhD
207.	*H.J. Mlyuka	M	Assistant Lecturer	BPharm, MPharm (MUHAS)
208.	W.P. Mikomangwa	M	Assistant Lecturer	BPharm (MUHAS), MSc (MUHAS)
209.	K.E. Manase	M	Assistant Lecturer	BPharm (MUHAS), MSc (MUHAS)
210.	W.A. Kibanga	F	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)
211.	*M.A. Manguzu	M	Assistant Lecturer	BPharm (MUHAS), MSc (UK)
212.	*E.B. Deogratias	M	Tutorial Assistant	BPharm (MUHAS)

Pharmaceutical Microbiology

213.	L. Mwita	F	Lecturer and Head	BSc Biotec (UDSM), PhD (Pretoria, SA)
214.	K.D. Mwambete	M	Professor	MSc Pharm (Havana), PhD (Madrid)
215.	R.Z. Sangeda	M	Professor	BPharm (India), MSc (Jomo Kenyatta Univ.), MPharm Sc, PhD (KU)
216.	D.S. Mloka	F	Associate Professor	BSc, MSc, (London), PhD (MUHAS)
217.	G.M. Bwire	M	Lecturer	BSc Hons. (UDSM), MSc (MUHAS), PhD (KU Leuven)
218.	*F.M. Felix	F	Assistant Lecturer	BPharm (MUHAS), MSc (China Pharmaceutical)
219.	*T.L. Mbilinyi	F	Tutorial	BPharm (MUHAS)
220.	*H.H. Ntissi	M	Tutorial Assistant	BPharm (MUHAS)

Pharmacognosy				
221.	R.L. Mwakalukwa	M	Lecturer and Head	BPharm (MUHAS), MPharm (MUHAS), PhD
222.	*G.L. Sambayi	M	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)
223.	*M.D. Lugoba	M	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)
224.	J.K. Costantine	F	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)
225.	C.J. Shonyella	F	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)
226.	*B.E. Mkinga	M	Tutorial	BPharm (MUHAS)
227.	*S.M. Sagamiko	F	Tutorial	BSc (UDSM)
Medicinal Chemistry				

228.	V.P. Manyanga	F	Senior Lecturer and Head	BPharm (UDSM), MPharmSc,
229.	E.A. Kaale	M	Professor	BPharm (UDSM), MPharm Sc, PhD (KULeuven, Belgium), PGD-
230.	J.J. Sempombe	M	Senior Lecturer	BSc Edu. (UDSM), MSc Chem (UDSM), PhD
231.	N. Nyakirang'ani	M	Lecturer	BSc. Chem. (Wiscosin – Whitewater), PhD (Wisconsin-
232.	N.E. Masota	M	Lecturer	BPharm (MUHAS), MSc
233.	*I.J. Daniel	M	Assistant Lecturer	BPharm (MUHAS), MSc
234.	*P.M. Makoye	M	Assistant Lecturer	BPharm (MUHAS), MSc
235.	*G.G. Nyondo	M	Assistant Lecturer	BPharm (MUHAS), MSc
236.	*Y.E. Maswaswa	M	Research Fellow Trainee	BSc Chem (UDOM)
237.	*E.R. Yondu	M	Tutorial Assistant	BPharm (MUHAS)

Pharmaceutics and Pharmacy Practice

238.	E.M. Mlugu	M	Senior Lecturer and Head	BPharm (MUHAS) MPharm (MUHAS), PhD
239	B.A. Maganda	F	Senior Lecturer	BPharm (UDSM), MSc (Bradford), PhD
240.	D.P. Wande	M	Lecturer	BPharm (UDSM), MSc (Ireland), PhD (China

241.	*V.B. Mbuya	M	Assistant Lecturer	BPharm, MSc (JSS College of Pharmacy, Mysuru Karnataka
241.	A.T. Chamani	F	Assistant Lecturer	BPharm (MUHAS) MSc Pharmaceutical Management
242.	*J. Ayubu	M	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)
243.	*D.T. Myemba	M	Assistant Lecturer	BPharm (MUHAS),
234.	B.G. Aiko	F	Assistant Lecturer	BPharm (MUHAS), MSc Pharmaceutical
245.	C.G. Munisi	M	Assistant Lecturer	BPharm (MUHAS), MPH (Bergen,
246.	E.G. Philipo	M	Tutorial	BPharm (MUHAS)
247.	C. Mwaipopo	F	Tutorial	BPharm (MUHAS)
248.	N. Karoli	F	Tutorial	BPharm (MUHAS)

SCHOOL OF DENTISTRY				
Oral and Maxillofacial Surgery				
249.	P.J. Laizer	M	Lecturer and Head	DDS, MDENT-OMFS (MUHAS)
250.	J.R. Moshly	M	Senior Lecturer	DDS (UDSM), MDS-OMFS (Nairobi)
251.	S.S. Owibingire	M	Senior Lecturer	DDS (MUHAS), MDent -OMFS (MUHAS)
252.	D.K. Deoglas	M	Lecturer	DDS, MDENT-OMFS (MUHAS)
253.	S.E.Sewangi	M	Tutorial Assistant	DDS (MUHAS)

Orthodontics, Paedodontics and Community Dentistry				
254	S.M. Abubakary	F	Lecturer and Head	DDS, MDENT – Paed Dent (MUHAS)
255	F.M. Machibya	M	Senior Lecturer	DDS (UDSM), DGH (Tampere), MCL Dent
256	H.S. Mbawala	F	Senior Lecturer	DDS (UDSM), DGH (Tampere), PhD (Bergen)
257	M.M. Mlangwa	F	Senior Lecturer	DDS (UDSM), MPhil (Bergen), PhD (Bergen)
258	K.K. Nyamuryeku ng 'e	M	Senior Lecturer	DDS (MUHAS), MPhil (Bergen), PhD (Turku)
259	E.L. Daniel	M	Lecturer	DDS, MDent – orthodontics (MUHAS)
260	F.G. Kitali	M	Tutorial Assistant	DDS (MUHAS)
261	M.H. Mrisho	M	Tutorial Assistant	DDS (MUHAS)

262	A.A. Msaki	M	Tutorial Assistant	DDS (MUHAS)
263	D.R. Chemli	M	Tutorial Assistant	DDS (MUHAS)
264	S.M. Sabasaba	F	Tutorial Assistant	DDS (MUHAS)
Restorative Dentistry				
265.	L.E. Mkonyi	F	Lecturer and Head	DDS (UDSM), PhD (Bergen)
266.	L.C. Carneiro	F	Senior Lecturer	DDS (UDSM), MSc, PhD (Pretoria)
267.	I.K. Minja	F	Associate Professor	DDS (UDSM), MPhil (Bergen), PhD (Bergen)
268.	E. Mulyahela	M	Lecturer	DDS, MDent – restorative Dentistry (MUHAS)
269.	M.J. Lusinde	F	Lecturer	DDS, MDent – restorative Dentistry (MUHAS)
270.	T.S. Ndekero	M	Lecturer	DDS (UDSM), MDent (MUHAS)
271.	F.C. Eligi	F	Tutorial Assistant	DDS (MUHAS)
272.	J.E. Mamboleo	M	Tutorial Assistant	DDS (MUHAS)

SCHOOL OF NURSING

Midwifery, Child, and Reproductive Health

273	S.E. Mushy	F	Senior Lecturer and Head	BSc. N (MUHAS), MSc. MW&WH (Makerere),
274.	B.E. Mwilike	F	Lecturer	BSc. N (MUHAS), MSc MW&WH
275.	A.F. Massae	F	Lecturer	BSc. N (MUHAS), MSc MW&WH (Makerere)
276.	D.L. Mwakawanga	F	Assistant Lecturer	BSc. MW (MUHAS), MSc
277.	A.A. Lyimo	M	Assistant Lecturer	BSc. MW (MUHAS), MSc
278.	*A.J. Nyaruchary	M	Assistant Lecturer	BSc. N (KCMC), MSc- MW&WH
279.	*V.Z. Chikwala	M	Assistant Lecturer	BSc. MW (MUHAS), MSc-MW&WH
280.	H. Lilenga	M	Assistant Lecturer	BSc. N (MUHAS), MSc. NN (SMU,
281.	*R.R. John	M	Tutorial Assistant	BSc. MW (MUHAS)
282.	*N.T. Mbwapbo	F	Tutorial Assistant	BSc. N (MUHAS)
283.	*A.P. Banda	F	Tutorial Assistant	BSc. MW (MUHAS)

Clinical Nursing

284.	M.L. Ndile	M	Lecturer and Head	BSc. N (UDSM), MScN- Critical Care
285.	D.A. Mkoka	M	Lecturer	BSc. N (UDSM), MSc (MUHAS), PhD
286.	J.A. Seme	M	Senior Lecturer	BSc. N (UDSM), MScN-
287.	M.K. Iseselo	M	Lecturer	BSc. N (UDSM), MSc, PhD (MUHAS)
288.	F.B. Ramadhani	F	Lecturer	BSc.N (UDSM), MSc (MUHAS), PhD
289..	E.T. Mwakanyanga	F	Assistant Lecturer	BSc.N (Agakhan), MSc (MUHAS)
290.	*G.G. Lukumay	M	Assistant Lecturer	BSc. N (MUHAS), MSc
291.	*S.S. Sanga	F	Assistant Lecturer	BSc.N (Agakhan), MSc (MUHAS)

292.	S.E. Kisakeni	M	Assistant Lecturer	BSc.N (MUHAS), MScN-
293.	*Z.M. Zahir	F	Assistant Lecturer	BSc.N (Manipal), MSc (MUHAS)
294..	*N.A. Michael	M	Assistant Lecturer	BSc.N (MUHAS), MSc
295..	S.E. Buluba	F	Assistant Lecturer	BSc.N (MUHAS), MSc-
296.	E.I. Sumari	M	Assistant Lecturer	BSc.N (MUHAS) MScN
297.	K. Athumani	M	Assistant Lecturer	BSc. N, MSc. Oncology (MUHAS)
298.	P.M. Temba	M	Assistant Lecturer	BSc.N (MUHAS), MScN-
299.	*B.T. Mgala	M	Tutorial Assistant	BSc.N (MUHAS)
300.	*D.A. Ngayonga	M	Tutorial Assistant	BSc.N (MUHAS)
301.	*D.T. Amnaay	M	Tutorial Assistant	BSc.N (MUHAS)
302.	*L.M. Gido	M	Tutorial Assistant	BSc.N (MUHAS)
303.	E. Chona	M	Tutorial Assistant	BSc.N (MUHAS)
Nursing Education and Management				
304.	K.Y. Malima	F	Lecturer and Head	BSc.N (UDSM), Mphil
305.	L.T. Mselle	F	Professor	RN, RM, Dipl. Ned (Dar), ADNE, BA Sociology (UDSM), Mphil HP
306.	B.M. Morris	M	Assistant Lecturer	BSc. N (MUHAS), MBE (PENN)
307.	E.M. Tarimo	F	Associate Professor	BSc. N (UDSM), Mphil
308.	R.H. Kiangi	M	Lecturer	BSc.N (UDSM), MSc. Nutrition (SUA), PhD (MUHAS)
309.	N.E. Mawi	F	Assistant Lecturer	BSc. N (MUHAS), MSc. (FJMU - China)

310	*Y.D. Lulay	M	Tutorial Assistant	BSc. N (MUHAS)
311.	*V.F. Mgoji	F	Tutorial Assistant	BSc. N (MUHAS)
312.	*S.L. Kigoda	F	Tutorial Assistant	BSc. N (UDOM)
313.	I.M. Kajembula	M	Tutorial Assistant	BSc. N (MUHAS)

SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES				
Community Health				
314.	H.A. Mruma	M	Lecturer and Head	MD (UDSM), MPH (MUHAS),
315.	B. F. Sunguya	M	Professor	MD (UDSM), MSc, PhD
316.	M.A. Amour	F	Senior Lecturer	MD (MUHAS), MPH (Dartmouth) MMed
317.	N. Bundala	F	Lecturer	BSc Human Nutrition (SUA),
318.	S.M. Bakar	F	Assistant Lecturer	BSc (SUA), MSc (Michigan State
319.	K.A. Makbel	F	Assistant Lecturer	BSc, MSc, Human Nutrition
320.	I.R. Ndaile	M	Research Fellow	MD (MUHAS), MSc.
321.	A.I. Anatoli	M	Tutorial Assistant	BSc, Human Nutrition
Parasitology and Medical Entomology				
322..	*D.D. Mutemi	F	Lecturer and Head	BSc (UDSM), MSc PE (MUHAS)

323.	B.E. Ngassala	M	Professor	MD (UDSM), PhD (Karolinska)
324.	T.D. Makene	F	Assistant Lecturer	BSc (UDSM), MSc (UDSM)
325.	*V.I. Mushi	F	Assistant Lecturer	BSc (UDSM), MSc. TDC (MUHAS)
326.	H.J. Omary	F	Assistant Lecturer	BSc (UDSM), MSc. TDC (MUHAS)
327.	M.C. Shabani	F	Assistant Lecturer	MD (HKMU), MSc. TDC (MUHAS)
328.	A.R. Paschal	M	Tutorial Assistant	BMLS (MUHAS)
329.	Y.M. Athuman	M	Tutorial Assistant	BMLS (MUHAS)
330.	*H.A. Palilo	M	Tutorial Assistant	MD (MUHAS)

Epidemiology and Biostatistics

331.	*M.M. Mizindiko	M	Assistant Lecturer and	MD (MUHAS), MPH
332.	C.S. Moshiri	F	Senior Lecturer	BSc (UDSM), MSc (London), PhD
333.	F. Sukums	M	Senior Lecturer	BSc Comp Sci (UDSM), MSc
334.	T.A. Ottaru	M	Lecturer	MD (MUHAS), MSc Epi.
335.	*H.A. Paulo	F	Assistant Lecturer	BSc (UDOM) BSc
336.	E.M. Bukundi	M	Assistant Lecturer	BPARM (S. John), MSc
337.	J. L Mbuke	F	Assistant Lecturer	BSc. IT (IFM), M. Eng in Computer Applied
338.	J.V. Mbishi	F	Tutorial Assistant	BSc (Mzumbe)
339.	*E.A. Mboya	M	Research Fellow	MD (MUHAS)

340.	D.E. Amani	M	Research Fellow	MD (MUHAS)
341.	S.Y. Chombo	M	Assistant	BSc. (Mzumbe), MSc. SUA
342.	M.R. Muya	F	Tutorial Assistant	BSc. (Mzumbe)
343.	*E. Kibangu	F	Tutorial Assistant	MD (MUHAS)

Behavioral Sciences

344.	E. Metta	F	Associate Professor and Head	BA, MA (UDSM), PhD (Groningen)
345.	D.C. Kakoko	M	Associate Professor	BEd, MA (UDSM), PhD
346.	M.J. Ezekiel	M	Senior Lecturer	BA, MA (UDSM), PhD
347.	I.H. Mosha	F	Associate Professor	BA, MA (UDSM), PhD
348.	H.P. Saronga	F	Senior Lecturer	BA, MA (UDSM), PhD
349.	*W.O. Akyoo	F	Assistant Lecturer	BA (UDSM), MSc
350.	*F.C. Kiondo	F	Assistant Lecturer	BEd, MA (UDSM)
351.	*B.S. Rhobi	F	Tutorial Assistant	BSW (Institute of Social Work,
352.	P. C. Mahere	M	Tutorial Assistant	BA (UDSM)

Environmental and Occupational Health Sciences

353.	I.P. Nyarubeli	M	Lecturer and Head	BSc (MUHAS), MSc (MUHAS), PhD (Bergen)
354.	E.J. Mrema	M	Senior Lecturer	BSc, MSc (UDSM), PhD (Mz)

355.	H.H. Mwanga	M	Senior Lecturer	MD (UDSM), MMED (Cape Town), FCPHM (SA) Occ Med (Cape Town), PhD (Cape
356.	H.L. Mohamedi	M	Senior Lecturer	BSc EHS, MSc (UDSM), PhD (ARU)
357.	J.S. Mlimbila	F	Lecturer	BSc (SUA), MSc (Wageningen) PhD (UDSM)
358.	G.H. Sakwari	F	Lecturer	BSc EHS (UDSM), MSc. (Bergen), PhD (Bergen)
359.	S.S. Kinshihi	M	Lecturer	BSc. (SUA), MSc. EncSc (Jackson State), PhD (Jackson
360.	J.S. Bachwenkizi	M	Lecturer	BSc (ARDHI Unv), MSc (IHE DELFT, The Nertherlands), PhD
361.	Z.I. Kimera	F	Lecturer	BSc (SUA), MSc (SUA), PhD
362.	D.L. Rweyemamu	M	Lecturer	BSc. EE. (UDSM), MSc. (UDSM) PhD (Lincoln)
363.	*L.P. Mwelange	M	Assistant Lecturer	BSc (MUHAS), MSc (MUHAS)
364.	*M. Shao	F	Assistant	BSc (ARU), MSc
365.	* W.J. Axwesso	F	Assistant Lecturer	BSc (SUA), MSc
367.	*S.S. Salehe	M	Assistant Lecturer	BSc EHS (MUHAS), MPH (UK), MSc
368.	*W.N. Mwakalasya	M	Assistant Lecturer	BSc (MUHAS), MSc (Chongqing Medical
369.	*S.K. Shaban	F	Assistant Lecturer	BSc.(UDSM), MSc (MUHAS

370.	*E.J. Nhangano	F	Assistant Lecturer	BSc.(UDSM), MA (MUHAS)
371.	I.H. Mapande	M	Assistant Lecturer	BSc. (MUHAS),
372.	E.M. Protas	M	Assistant Lecturer	BSc. (MUHAS),
373.	A.C. Alfred	F	Tutorial Assistant	BSc. (MUHAS)

Bioethics and Health Professionalism

374.	G. K. Pancras	M	Lecturer and Head	MBB(UDSM), MBE PhD (MUHAS)
376.	R.S. Joseph	F	Senior Lecturer	MD (UDSM), MMED (Paed) (MUHAS), MBE
377.	*J.E. Shayo	F	Assistant Lecturer	BSc.N (UDSM), MA-HPM (MUHAS), MBE
378.	*R. Athanas	M	Assistant Lecturer	Dip -PHIL(Nairobi), BA- THEO (JUCO), MBE (MUHAS)
380.	R.E. Rabachi	F	Assistant Lecturer	LLB (Mzumbe), Pg. Dip (Legal Practice) (LST) MBE
381.	*L.A. Haule	M	Assistant Lecturer	BSc Public Health (MMU- Uganda), MBE
382.	F.M. Lyimo	F	Assistant Lecturer	B Phil ED (SAUT-MWANZA)
383.	R.M. Mosha	M	Assistant Lecturer	BA Phil. (JUCO) MBE (MUHAS)
384.	J.E. Lukwaro	M	Assistant Lecturer	LLB (Mzumbe), LLM , (Mzumbe)
385.	*A.A. Jengo	M	Tutorial Assistant	LLB (RUCO)

Development Studies

386.	M.M. Tungu	M	Lecturer and Head	BA, MA (UDSM), PhD (MUHAS)
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387.	G.F. Msoffe	M	Professor	BA, MA (UDSM), PhD (Umea)
388.	T.M. Nyamhanga	M	Associate Professor	BSc (N), MA (UDSM), PhD
389.	G.M. Ruhago	M	Associate Professor	Bsc.EHS, MA (MUHAS),
390.	N.S. Sirili	M	Associate Professor	MD, MSc (MUHAS), PhD
391.	A. Anaeli	M	Senior Lecturer	BSc, MA (UDSM), PhD
392.	G.R. Mahiti	F	Senior Lecturer	BSc, MA(SUA), PhD (MUHAS)
393.	A. Kagaigai	F	Lecturer	BA, MA (UDSM), PhD (Oslo)
394.	P. Luoga	M	Assistant Lecturer	BHSM (Mzumbe), MSc (MUHAS)
395.	*N.A. Tesha	M	Assistant Lecturer	BA, MA (UDSM)
396.	*F.A. Ngowi	M	Assistant Lecturer	BA, MA (UDSM)
397.	*T.P. Ruwaichi	M	Assistant Lecturer	BA (Ardhi University), MBA
398.	*L.P. Simon	F	Assistant Lecturer	MD (MUHAS), MSc (London)
399.	*E.S. Nyangi	M	Assistant Lecturer	BA (UDSM), MA (Pandit Deendayal Energy University, Singapore)
400.	*R.D. Mkumbwa	F	Assistant Lecturer	BDHRPM (IRD), MSc
401.	*E.P. Mwasanga	F	Tutorial Assistant	BSc Sociology (Landmark)
402.	*M.P. Mpanga	M	Tutorial Assistant	BAPSPA (UDSM)
403.	*Y.T. Bukagu	M	Tutorial Assistant	BA Sociology (UDSM)
404.	*N.P. Massawe	M	Tutorial Assistant	BA Social Work (ISW)
405.	*R.N. Tibuhinda	F	Tutorial Assistant	BSc Economics, Policy and Planning (Mzumbe University)

INSTITUTE OF TRADITIONAL MEDICINE

Biological and Pre-Clinical Studies

406.	J.M. Thomas	M	Lecturer and Head	BSc (SUA), MSc (Univ Basel), PhD (UDSM)
407.	E.M. Innocent	F	Associate Research Professor	BSc, MSc (Chem.) PhD (UDSM)
408.	R.S. Nondo	M	Senior Research Fellow	BPharm (UDSM), MSc Pharmacology (France), PhD
409.	P.J. Masimba	M	Senior Research Fellow	BVM, MSc (SUA), PhD (Univ Basel)
410.	*B.C. Mwita	M	Assistant Research Fellow	BSc (SUA), MSc (MUHAS)
411.	*M.J. Shayo	F	Assistant Research Fellow	BSc, MSc (SUA)
412.	*C. Mwinuka	M	Research Fellow	MD (MUHAS)
413.	*A.N. Kavuraya	F	Research Fellow	BSc Medical Laboratory Science (MUHAS)
414.	D.C. Rugabandana	M	Research Fellow	BPharm (MUHAS)

Natural Products Development and Formulation

415.	B.S. Ndiege	M	Research Fellow and Head	BSc Chem (UDSM), MSc Trad Med Dev
416.	F.K. Machumi	M	Senior Research Fellow	BSc. Educ (UDSM), MSc Chem (Botswana); PhD (UNDP)
417.	D.L. Credo	M	Research Fellow	BSc (UDSM), MSc Trad Med Dev (MUHAS), PhD

418.	M.N. Mbunde	M	Research Fellow	BSc, MSc (SUA), PhD (MUHAS)
419.	M. Qwarse	M	Research Fellow	Dipl. Educ, BSc (Ed), MSc Chem (OUT), PhD (MUHAS)
420.	M.C. Berege	M	Assistant Research Fellow	BSc Chemistry (UDOM), MSc Trad Med Dev (MUHAS)
421.	*F.B. Sanga	F	Research Fellow	BPharm (CTU, India)
422.	*D.A. Mtafya	M	Research Fellow	BSc. Chem (UDSM)
423.	N.M. Salvatory	M	Research Fellow	BPharm (MUHAS)
Medical Botany, Plant Breeding and Agronomy				
424.	S.A. Abihudi	F	Research Fellow and Head	BSc (Makerere), MSc (MUHAS), PhD (NM- AIST)
425.	J.N. Otieno	M	Associate Research Professor	BSc, MSc (SUA), PhD (UDSM)
426.	A. Mwijage	M	Research Fellow	BSc, MSc Sociology & Anthropology
427.	*S. Hilonga	M	Assistant Research Fellow	BSc Botanical Sci (UDSM), MSc
428.	*M.T. Mwakilasa	F	Assistant Research	BA Sociology (UDSM), MSc Marketing
429.	*B.E. Msigwa	M	Assistant Research	BSc in Botanical Sciences, MSc Climate and
430.	D.P. Kokwijuka	F	Assistant Research Fellow	BSc. MBB (UDSM), MSc Ethnobotany and

431.	*S.C. Mganga	F	Research Fellow	BSc Botanical sciences (UDSM)
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DIRECTORATE OF LIBRARY SERVICES

432.	R.C. Mallya	F	Senior Librarian, Director	BEd (UDSM), MA Information Studies (UDSM), MBE (MUHAS), PhD Information
433.	A.S. Mcharazo	M	Associate Professor	Diploma (SLADS, Bagamoyo), BA (Thames Valley University), MA (Thames Valley University), PhD
434.	S.E. Msonde	M	Senior Librarian and Head of Technical Service, Research and Training Section	Dipl. In Education (Klerruu), BSc. Agric Gen (SUA), MA Information Studies (UDSM), PhD Information Tech. in Education
435.	R.T. Mushi	F	Librarian and Head, Periodicals Section	Dip. (SLADS), BA Information Science (Zululand), MSc. Information Studies (KwaZulu-Natal), PhD Information

436.	B.E. Sengo	M	Assistant Librarian and Head, Library ICT-Section	BSc. Informatics (SUA), MSc. Computer and IT Systems Engineering (UDSM)
437.	L.S. Kanyuma	F	Assistant Librarian	BA Information Studies (UDSM), MA Library Information System (Tumaini)
438.	V.C. Mwalyego	M	Assistant Librarian and Head Training Unit	BSc. Library Information Science (Makerere), MA Information Technology (Pretoria)
439.	D.M. Sabas	M	Assistant Librarian	BEd. Education Psychology (UDOM), MA Information Studies (UDSM)
440.	W.J. Mviombo	M	Assistant Librarian and Head of E- resources Section	BA Library Information Studies (Tumaini), PGD (UDSM) MA Information Studies (UDSM)

441.	R.A. Chamvanga	F	Assistant Librarian	BA Library and Information Studies, MA Information Studies (UDSM)
442.	N.L. Maluka	F	Assistant Librarian	Dip. Library Information Systems (SUA), BSc. Library Information Management (Mzumbe), M.A Information Studies
443.	B. Orgenes	M	Assistant Librarian Trainee	BA Library and Information Management (Mzumbe)
444.	S. Kassim	F	Assistant Librarian Trainee	BSc Library Information Management (Mzumbe)

** On study leave*

**DIRECTORATE OF INFORMATION,
COMMUNICATION AND
TECHNOLOGY**

1	M.S. Rubibi	M	B. Sc. Computer Science, MSc. IT and Management	Director of ICT
2	S. Makatta	F	Diploma in Secretarial Studies	MMO I
3	S.D. Adam	F	Standard Seven	Office Attendant
4	M.L. Gama	M	B. Sc. Electronics Sciences and Communication, M. Sc Data Communication	Principal ICTO I
5	S.M. Kinyogoli	F	B. Sc. Computer Science, M. Sc. Information Systems	Principal ICTO I
6	S.S. Amsi	M	B. Sc. Computer Science, M. Sc Health Information Management	Senior ICT O I
7	R.B. Chaula	F	B. Sc. Computer Science with Statistics, M. Sc in Data Science	Senior ICT O I

8	A.M. Katemi	M	Advanced Diploma in Information Technology	Senior ICT O I
9	H.Y. Sengo	M	B. Sc. Information System	Senior ICT O I
10	E. Jeremani	M	B. Sc. Computer Engineering	Senior ICT O I
11	J. Rumondo	M	Diploma in Telecommunication	Senior OT I
12	A.Chamwali	F	B. Sc. Computer Science	ICTO I
13	R. Mohamed	M	B. Sc Computer Science	eLearning Officer
14	L.V. Mroso	M	B. Sc. Computer Science	ICTO I
15	M.J. Shoo	M	Diploma in Computer Science	Assistant ICTO II

** On study leave*

INSTITUTE OF ALLIED HEALTH SCIENCES

S/N	Name	Sex	Academic	Qualifications
School of Hygiene – Muhimbili				
1	M. A. Khamis	F	Head Tutor	BSc EH (SUZA), MSC EHO (MUHAS)

2	M. A. Bakar	M	Tutor	BSc EH (SUZA) , MSc Microbiology and Immunology (MUHAS)
3	*R. E. Tweve	M	Tutor	DEHS (MUHAS)
4	N. J. Nkona	M	Tutor	Bsc EH (MUHAS)
5.	A.K.	M	Tutor	BSc EH (MUHAS)
6.	D. Bazili	M	Tutor	BSc. EH (MUHAS)
7.	A. Msakati	F	Tutor	BSc EH (SUZA)

School of Radiography

8	S.N. Kaale	M	Senior Tutor, and Head	DDR (MUHAS), B.Tech, MSc Radiotherapy (SA), Cert. Teaching methodology (MUHAS)
9	C. E. Malika	F	Senior Tutor and Head	DDR (UDSM), Dip in HPed (CEDHA), BSc & MSc Ultrasound (Uganda), Cert. in Med. Ultrasound (Fonty's, Holland), Cert. In optimization of Diagnostic Radiography (Brussels, Belgium), Cert Mammography (Salt Lake City, USA)
10	C. E Tairo	M	Tutor	DDR (MUHAS) Cert. Teaching methodology
11	**A.M. Anad	M	Tutor II	DDR (MUHAS), BMI (Uganda), Cert in Teaching Methodology (MUHAS)
12	N.A. Karugila	M	Tutor	BSc MI (ECUREI) , Cert in Teaching Methodology
13	M.S. Japhary	F	Senior Tutor	MD (MUHAS)
14	E. R. Chacha	M	Tutor	BSc MRIT (India)
15	B. Othman	F	Tutor	DDR (MUHAS), BSc Rad (JKUAT)

Regional Dermatology Training Centre

16	D. R. Mavura	M	Associate Professor and Head	MD (Cuba), MMed (KCMUCo)
17	E. J. Massenga	M	Associate Professor	MD (UDSM), MMed. Dermatovenereology (Berlin), MPhil.
18	H. Grossmann	M	Associate Professor	MD, MMed Dermatovenereology, Dip. in Trop. Med. Parasite, Spec. Degree Trop. Med. (Hamburg)
19	J.A. Mshana	M	Lecture	MD (Russia) MMed (Russia)
20	L.C. Kini	F	Lecturer	MD(KCMUCo), MMed (KCMUCo)
21	D. Sabushimike	F	Lecturer	MD(Burundi), MMed (KCMUCo)
22	R.N. Philemon	M	Associate	MD(KCMUCo), MMed (KCMUCo)
23	J.S Ngocho	M	Lecturer	MD(KCMUCo), Msc Clin research (KCMUCo), Msc Epidemiology and Biostatistics (KCMUCo)
24	A.E. Naburi	M	Lecturer	Adv. Dip. in Dermatovenereology (RDTC-KCMC), MPH
25	R. Machare	F	Lecturer	BSc. Pharmacy (India), MPH (Liverpool University - UK)
26	H.O. Msuya	M	Lecturer	MD (KCMUCo), MMed (KCMUCo)
Tanzania Training Centre for Orthopaedic Technologists				
27	D. G. Shirima		Senior Tutor and Head	BSc P&O (KCMUCO)
28	V.T. Mwaijande	F	Tutor, Academic Officer	MIS (OSLO University) BScO (KCMUCo), DOT (UDSM)
29	E. Kasegezya	M	Senior Tutor	DOT (UDSM), BSc P&O (KCMUCO)
30	B. G. Moshi	M	Tutor	DOT (UDSM), BSc P&O (KCMUCO)
31	E. A. Mlay	F	Tutor	BSc P&O (KCMUCO)

32	E. L Malisa	F	Tutor	DOT (MUHAS), BSc P&O (KCMUCO)
33	K.	M	Tutor	BSc P&O (KCMUCO)
34	S.F. Saria	M	Tutor	BSc P&O (KCMUCO)
35	A. R Kijori	F	Assistant Tutor	DOT (UDSM)
36	B. Kale	M	Tutor	BSc P&O (KCMUCO)
37	M. Majenzi	M	Tutor	BSc P&O (KCMUCO)
38	J. Msyani	M	Tutor	BSc P&O (KCMUCO)

*On study Leave

**On Leave without pay

10.2 LISTS OF ADJUNCT, HONORARY, AND PART-TIME STAFF AT MUHAS

S/N	Name	Sex	Academic Rank	Qualifications
CAMPUS COLLEGE OF MEDICINE				
SCHOOL OF CLINICAL MEDICINE				
Anaesthesiology				
1.	M. Ulibisya	M	Honorary Lecturer	MD, MMed (UDSM), FCTA (India) MBA (Mzumbe)
2.	M. Mbanga	M	Honorary Senior Lecturer	MD, MMed (UDSM)
3.	R. Boniface	M	Honorary Senior Lecturer	MD, MMed (UDSM), MSc (SA)
4.	K. Khalid	M	Honorary Lecturer	MD (Marmara), MMed (MUHAS)
5.	A.A. Ross	F	Honorary Lecturer	MD (Cuba) MMed (UDSM)
6.	A. Ulimali	M	Honorary Lecturer	MD (UDSM), MMed (MUHAS)
7.	S. Laxman	M	Honorary Lecturer	MD (UDSM) MMed (MUHAS)
8	M. Msimbe	F	Honorary Lecturer	MD(MUCHS) MMed(MUHAS)
9	R. Oyugi	M	Honorary Lecturer	MD,MMed (MUHAS)
Emergency Medicine				
10.	J. Mfinanaga	M	Honorary Lecturer	MD, MMed (MUHAS)
11.	I. B. Kulola	F	Honorary Lecturer	MD, MMed (MUHAS)
12	R. Tarimo	M	Honorary Lecturer	MD, MMed (MUHAS)
13.	M. M. Biita	M	Honorary Lecturer	MD, MMed (MUHAS)
14.	C. Shari	F	Honorary Lecturer	MD, MMed (MUHAS)
15.	E. Noste	F	Honorary Lecturer	MD (UC-Davis), ABEM (USA)

16.	E. Sangey	M	Honorary Lecturer	MD, MMed (MUHAS)
17.	W. Kaihula	F	Honorary Lecturer	MD, MMed (MUHAS)
18.	P. Shao	M	Honorary Lecturer	MD, MMed (MUHAS)
19.	T. A. Reynolds	F	Adjunct Professor	MD, MSc (UCSF), PhD (Columbia), FACEP (USA)
20.	M. S. Runyon	M	Adjunct Professor	MD (Florida), MPH (UNC), FACEP (USA)
21.	B. L. Murray	F	Adjunct Assistant Professor	MD (Harvard), PEM (Boston, U.S.A)
22.	T.M Baker	M	Honorary Lecturer	MBChB(UK),PhD Karolinska Institute
23.	M.S. Francis	M	Honorary Lecturer	MD(KCMC), MMed(MUHAS)
24.	C. N. Pius	M	Honorary Lecturer	MD(CUHAS), MMed(MUHAS)
25.	N.S Alphonse	M	Honorary Lecturer	MD, MMed (MUHAS)
26.	M.H Gimbo	F	Honorary Lecturer	MD(HKMU), MMed (MUHAS)
27.	R. M. Siaely	F	Honorary Lecturer	MD(HKMU), MMed (MUHAS)
28.	J.M. Leonard	M	Honorary Lecturer	MD(KCMC), MMed(MUHAS)
29.	J.M. Bahati	M	Honorary Lecturer	MD(CUHAS), MMed(MUHAS)
30.	A.G. Masuma	F	Honorary Lecturer	MD(CUHAS), MMed(MUHAS)
31.	F.A. Abdallah	F	Honorary Lecturer	MD(IMTU),MMED(MUHAS)
32.	T. Gleeson	M	Honorary Lecturer	MD(University of Massachusetts), Fellowship in Emergency Ultrasound(University of Massachusetts Medical School, Worcester, MA)
33.	M.K Kiremeji	M	Honorary Lecturer	MD(IMTU),MMED(MUHAS)
34.	N.S. Mtera	F	Honorary Lecturer	MD(HKMU), MMed (MUHAS)
35.	Moiz Shabbir	F	Honorary	MD(HKMU), MMed (MUHAS)

	Adamji		Lecturer	
36.	Patrick John Shao	M	Honorary Lecturer	MD, MMed (MUHAS)
37.	Nanyori J. Lucumay	F	Honorary Lecturer	MD, MMed (MUHAS)
38.	Geminian Festo Temba	M	Honorary Lecturer	MD, MMed (MUHAS)
39.	Huruma Anyangile Mwasipu	M	Honorary Lecturer	MD(IMTU),MMED(MUHAS)
40	Abel Gervas Ndago	M	Honorary Lecturer	MD, MMed (MUHAS)
41	Asha Juma Iyullu	F	Honorary Lecturer	MD, MMed (MUHAS)
42	Yash Harsukh Dubal	M	Honorary Lecturer	MD, MMed (MUHAS)
43	Abel Nyika	M	Honorary Lecturer	MD, MMed (MUHAS)
44	Frida Shayo	F	Honorary Lecturer	MD, MMed (MUHAS)
45	Winnie K. Mdundo	F	Honorary Lecturer	MD, MMed (MUHAS)
46	Patrick Venance Lumato	M	Honorary Lecturer	MD, MMed (MUHAS)
47	Kilalo Maeli Mjema	M	Honorary Lecturer	MD(CUHAS), MMed(MUHAS)
48	Juma Mfaume Mbugi	M	Honorary Lecturer	MD(MUHAS), MMed,(Chongqing Medical University-CHINA)
49	Irene Aloyce Kindole	F	Honorary Lecturer	MD,(SFUCHAS),MMed(MUHAS)
50	Hassan Riziki	M	Honorary Lecturer	MD(KCMC), MMed(MUHAS)
51	Frank Constantine Swai	M	Honorary Lecturer	MD(KCMC), MMed(MUHAS)

52	Ruth Alex Mwita	F	Honorary Lecturer	MD(HKMU), MMed (MUHAS)
Orthopaedic and Traumatology				
Part time				
	R. I. Mhina	M	Senior Lecturer	MD, MMed, MSc (UDSM)
Honorary				
53	K.S. Nungu	M	Honorary Lecturer	MD (Havana), MMed (Uppsalla)
54	A.B. Assey	M	Honorary Lecturer	MD, MMed (MUHAS)
55.	V.M. Lupondo	F	Honorary Lecturer	MD, MMed (MUHAS)
56.	F.S. Mrita	M	Honorary Lecturer	MD, MMed (MUHAS)
57.	J.W. Mwanga	M	Honorary Lecturer	MD MBARARA, MMED MUHAS
58.	B.I. Mcharo	M	Honorary Lecturer	MD, MMed (MUHAS)
59.	F.I. Fabian	M	Honorary Lecturer	MD, MMed (MUHAS)
60.	A.P. Macha	M	Honorary Lecturer	MD MUHAS,MMED KCMC
61	A. Hussein	M	Honorary Lecturer	MD, MMed (MUHAS)
62	M. Kassu	M	Honorary Lecturer	MD, MMed (MUHAS)
63	D.P. Ngunyale	M	Honorary Lecturer	MD, MMed (MUHAS)
64	M.M. Hussein	M	Honorary Lecturer	MD, MMed (MUHAS)
65	M.E. Ngowi	M	Honorary Lecturer	MD MUHAS,MMED KCMC
66	B. Luziba	M	Honorary Lecturer	MD, MMed (MUHAS)
67	W. Mgisha	M	Honorary Lecturer	MD, MMed (MUHAS)
68	S. Issa	M	Honorary Lecturer	MD(NAIROBI) MMed (MUHAS)
69	S.S. Lamtane	M	Honorary Lecturer	MD, MMed (MUHAS)
70	S.K. Hamisi	M	Honorary Lecturer	MD,MUHAS,PhD JAPAN
71	O.W.	M	Honorary	MD, MMed,MSSC (MUHAS)

	Kiloloma		Lecturer	
72	N.B. Rutabasibwa	M	Honorary Lecturer	MD, MMed,MSSC (MUHAS)
73	L.L. Mchome	M	Honorary Lecturer	MD, MMed,MSSC (MUHAS)
74	A.A. Kinghomella	M	Honorary Lecturer	MD KCMC, MMED(NAIROBI)MSSC MUHAS
75	Joseph Sabas,	M	Honorary Lecturer	MD,MMED(MUHAS)
76	John M. Mtei	M	Honorary Lecturer	MD,MMED MSSC.(MUHAS)
77	Frank Edward Arabi	M	Honorary Lecturer	MD,MMED(MUHAS)
78	Miraji Raya Kassu	M	Honorary Lecturer	MD,MMED(MUHAS)
79	Maxigama Yesaya Ndossi	M	Honorary Lecturer	MD(KCMC),MMED,MSSC(MUHAS)
Internal Medicine				
Part time				
80	W. B. P. Matuja	M	Professor	MB ChB (Makerere), MRC (Psych) (UK)
81	E. E. Maro	M	Associate Professor	MD, MMed (UDSM)
Honorary				
82.	P. Ruggajo M	M	Honorary Associate Professor	MD (UDSM), MMed, MSc Nephrology (MUHAS), PhD (Bergen), Post Doc (Havard)
83.	R.K. Mutagaywa	M	Honorary Associate Professor	MD (UDSM), MMed, MSc (MUHAS)
86.	M. Rebensten	M	Honorary Associate Professor	MD (West Virginia) MSc
87.	J. Rwegasha	M	Honorary Lecturer	MD (Makerere University) MMed (KENYA)
88.	M. Manji	M	Honorary Lecturer	MD (MUHAS) MSc (MUHAS) MMed (MUHAS)
89.	J. Shoo	M	Honorary Lecturer	
90.	P. Chandrakant	M	Honorary Lecturer	MD (HKMU) MSc (MUHAS)

91.	H. Kimambo	M	Honorary Lecturer	MD (MUHAS) MSc (MUHAS) MMed (MUHAS)
92.	S. Rweyemamu	M	Honorary Lecturer	MD (IMTU) MSc (MUHAS)
93.	K.L. Okeng'o	M	Honorary Lecturer	MD (MUCHS) MSc (MUHAS) MMed (MUHAS)
94.	F. Chiwanga	M	Honorary Lecturer	MD (KCMC) MMed (MUHAS)
95.	G. Rwegere	M	Honorary Lecturer	MD, (UDSM) MMed (MUHAS)
96.	P. Pallangyo	M	Honorary Lecturer	MD (MUHAS) MSc
97.	V. Bamania	F	Honorary Lecturer	MD, (UDSM) MMed (MUHAS)
98	B. Amatya	M	Honorary Lecturer	MD (China) PhD
99	E.F. O. Osati	M	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
100	P.J. Ruggajo	M	Honorary Lecturer	PhD MMed (MUHAS)
102	F. K.Shayo	M	Honorary Lecturer	MD (MUHAS) PhD MMed (MUHAS)
103	J. Geofrey	F	Honorary Lecturer	MD, MUCHS MSc MUHAS MMed MUHAS
Obstetrics and Gynaecology				
Part time				
104	S. N. A. Massawe	F	Associate Professor	MD, MMed (UDSM), Med (Manchester), PhD (Uppsala)
105	C. D. S. Kilewo	M	Associate Professor	MD (Romania), MMed (UDSM), PhD (Karolinska)
106	H. N. Mgaya	M	Professor	MB ChB (EA), MMed (UDSM)
Honorary				
107	C. Hanson	F	Honorary Associate Professor	MD, MSc, MSc SS(JLU University Giessen, Germany)
108	M. Ngarina	F	Honorary Senior Lecturer	MD, MMed (UDSM), PhD (Uppsala)

109	V. Tarimo	M	Honorary Lecturer	MD, MMed (MUHAS)
110	L. Mnabwiru	F	Honorary Lecturer	MD, MMed (MUHAS)
111	H. Mrina	F	Honorary Lecturer	MD, MMed (MUHAS)
112	S. Rashid	F	Honorary Lecturer	MD, MMed (MUHAS)
113	P. Majinge	M	Honorary Lecturer	MD, MMed (MUHAS)
114	M. Shaki	F	Honorary Lecturer	MD, MMed (MUHAS)
115	D. Mvunta	M	Honorary Lecturer	MD, MMed (MUHAS)
116	F. Amiji	F	Honorary Lecturer	MD, MMed (MUHAS)
117	G. Juong	M	Honorary Lecturer	MD, MMed (MUHAS)
118	E. Sawe	F	Honorary Lecturer	MD, MMed (MUHAS)
119	A. Magohe	M	Honorary Lecturer	MD, MMed (MUHAS)
120	Brenda Sequeira D' Mello.	F	Honorary Lecturer	MD,MMED (UDSM),
Ophthalmology				
Part time				
121	M. Mafwiri	F	Associate Professor	MD, MMed (UDSM), MSc (LSTM)
Honorary				
122	H. Ngogo	M	Honorary Lecturer	BSc (KCMUCo) MSc (MUHAS)
123	F.P. A. Undender	M	Honorary Lecturer	MD (Universite de Kisangani) MMed (Tumaini University Makumira)
124	Y. Mtogo	F	Honorary Lecturer	MD, MMed (MUHAS)
125	A. J. Sanyiwa	F	Honorary Lecturer	MD, MMed (UDSM), MPH (MUHAS), Dip. GH (Finland)
Othorhinolaryngology				
126	A. Nkya	M	Honorary	MD, MMed (MUHAS)

.			Lecturer	
127	E.T. Liyombo	M	Honorary Lecturer	MD, MMed (MUHAS)
128	W.A. Massawe	M	Honorary Lecturer	MD, MMed (MUHAS)
129	S. Issa	M	Honorary Lecturer	MD, MMed (MUHAS)
130	A. Abdulshakoor	M	Honorary Lecturer	MD, MMed (MUHAS)
131	P.E. Kipiki	M	Honorary Lecturer	MD, MMed (MUHAS)
132	E.M. Mushi	M	Honorary Lecturer	MD, MMed, MSc (MUHAS)
133	U.A Said	M	Honorary Lecturer	MD (HKMU), MMed (MUHAS)
134	Vinay Swarnalatha Ngaraj	M	Honorary Professor	BSc in Speech and Hearing Sciences, MSc in Speech and Hearing Sciences(Mysore, India),MPhil Auditory Perception (University of Cambridge), PhD – Speech and Hearing Sciences(University of Mysore, India)
135	Gladys Chepkemoi	F	Honorary Lecturer	Bachelor Degree in Special Needs Education and Counselling (Inclusive), Master of Science in Speech Language Pathology(KENYA)

Paediatrics and Child Health

136	C. Duggan	M	Honorary Lecturer	BA (Dartmouth), MD (John Hopkins), MPH (Harvard)
137	C. R. J. C. Newton	M	Honorary Lecturer	MB ChB, MD (Cape Town), MRCP, FRCPCH (London)
138	S. Lindemulder	F	Honorary Lecturer	BS (Clavi-USA), MClin Res (Oregon), MD (NU, USA)
139	M. N. Noorani	F	Honorary Lecturer	M.B ChB (Nairobi), MMed (MUHAS)
140	G. F. Mallya	M	Honorary Lecturer	MD (KCM College), MMed (MUHAS)
141	E. Mgelea	M	Honorary Lecturer	MD, MMed (MUHAS)
142	Z. A. Helga	F	Honorary Lecturer	MD (Germany), MMED (Doctor's Chamber Lower Saxony), MSc. International Health (Germany).
143	E. S.	F	Honorary Senior	MD (MAKERERE), MMED (UDSM), Fellowship in Paed. Endocrinology

	Majaliwa		Lecturer	(European Society of Paediatric Endocrinology)
144	M. F. Mkony	F	Honorary Lecturer	MD, MMED (MUHAS), Cert. Neonatology (College of Medicine of SA) Mphil (UCT)
145	S. J. Swanson	M	Honorary Professor	BS (Child Psychology), MD (HARVARD)
146	Haika K. Mariki	F	Honorary Lecturer	MD, MMED
147	N. G. Majani	F	Honorary Lecturer	MD (UDSM). MMED (WBUCHS), FCP (ISRAEL)
148	T. J. Masenge	F	Honorary Lecturer	MD (UDSM), MMED (MUHAS) GastroHep & Nutrition (Stellenbonch, SA)
149	M. Ali	M	Honorary Lecturer	MD, MPhil, BHSc Epidemiology (Boston)
150	A. T. Mtoro	M	Honorary Lecturer	MD, MMED
151	N. P. Mkopi	M	Honorary Lecturer	MD, MMED (MUHAS), PG Dipl. Paed. Critical Care (UCT)
152	R. D. Moshiro	M	Honorary Senior Lecturer	MD, MMED, (MUHAS) PhD (Stavenger, Norway)
153	Y. A. Aljaidi	M	Honorary Lecturer	MD, MMED
154	R. K. Damji	M	Honorary Lecturer	MD (IMTU), MMED (KCMCo), Fellowship in Paed. Endocrinology (European Society of Paediatric Endocrinology)
155	A. A. Shoo	F	Honorary Lecturer	MD, MMED (MUHAS)
156	F. M. Mussa	F	Honorary Lecturer	MD, MMED (MUHAS)
157	E. K. Godfrey	M	Honorary Lecturer	MD, MMED (MUHAS)
158	Kandi Catherine Muze	F		MD, MMED (UDSM)
159	Evance K. Godfrey	M	Honorary Senior Lecturer	MD, MMED (MUHAS)
160	Naizihijwa G. Majani	F	Honorary Senior Lecturer	MD(MUHAS)MMED(CUHAS),MSC(Tel Aviv University)
161	Rehema Enock Lyimo	F	Honorary Lecturer	MD(KCMC),MMed(MUHAS), 2022
162	Dotto Aron	M	Honorary	MD(MUHAS),MMED(Alexandria

	Luziga		Lecturer	University – Egypt)
163	Aleya Z. Remtula	F	Honorary Lecturer	MD(HKU),MMED(MUHAS),MPhil(Cape Town)
164	Anna F. Magembe,	F	Honorary Lecturer	MD(KCMC),MMED,MSSC(MUHAS)
165	Livin Peter Mumburi	M	Honorary Lecturer	MD,MMED(KCMC)
167	Nana Jacqueline Nakiddu	F	Honorary Lecturer	MBChB,MMED, Fellowship in Paediatric Haematology and Oncology(Makerere)
168	Honest John Kipasika	M	Honorary Lecturer	MD(MUHAS),MSc(Nairobi)
169	Rahim Karim Damji	M	Honorary Lecturer	MD(IMTU),MMED(KCMCO)
170	Theopista Jacob Masenge	F	Honorary Lecturer	MD,MMED(MUHAS)
171	Fatima Mehdi Mussa	F	Honorary Lecturer	MD,MMED(MUHAS)
172	Judith Cosmas Lamosai	F	Honorary Lecturer	MD,MMED(MUHAS), MA in Education and Development in Early Childhood, (University of Haifa)
173	Wende Clarence Safari	F	Honorary Lecturer	BSc in Applied Statistics(Mzumbe University), MSc in Biostatistics, (Hasselt University), PhD in Statistics, (University of a Coruna)
Psychiatry and Clinical Psychology				
174	P. Kaduri	F	Honorary Associate Professor	MD, (UDSM) MMED (MUHAS , MScCH (University of Toronto)
175	J. Mbwambo	F	Honorary Associate Professor	MD(UDSM)Dip Psychiatry (Manchester UK)
176	J.R. Egger	M	Adjunct Professor	Bsc(CHARLESTON),MA(University of Washington) PhD(University of London)
177	J.N. Baumgartner	M	Adjunct Professor	BA(Virginia) Msc(North Carolina) PhD(Wisconsin Madison)
178	A. Heinz	M	Adjunct Professor	MD, (Ruhr Universität Bochum)PhD (Universität Potsdam)
179	L. Kajula	F	Honorary Lecturer	MPhil(University of Bergen), PhD(University of Maastricht)
180	N.S Bahr	F	Adjunct Lecturer	Bsc (FernUniversität Hagen), Msc (Psychologische Hochschule Berlin)

181	F. Masao M	M	Honorary Lecturer	MD (UDSM) MMED (MUHAS)
182	S. Kuganda M	M	Honorary Lecturer	MD (UDSM) MMED(MUHAS)
183	T. Rutayuga M	M	Honorary Lecturer	MD (UDSM) MMED(MUHAS)
184	F. Ngakongwa	F	Honorary Lecturer	MD(UDSM)Mmed(Stellenbosch University) FCPsych(College of Medicine South Africa)
185	H.N. Siril F	F	Honorary Lecturer	MD(MBARARA University),MPH(Harvard University MA-USA),PHD(MUHAS)
186	L. Mgopa F	F	Honorary Senior Lecturer	MD, MMED (MUHAS)
187	F. Benedict M	M	Honorary Lecturer	MD, MMED (MUHAS)
188	N. Kitomari M	M	Honorary Lecturer	MD, (UDOM)MMED (MUHAS)
189	S. Mkony M	M	Honorary Lecturer	MD (MUHAS), MMED(UDOM)
190	I. Haruna M	M	Honorary Lecturer	MD, MMED (MUHAS)
191	J. R. Mosha	F	Honorary Lecturer	MD, MMED (MUHAS)
192	R.J. Mtei F	F	Honorary Lecturer	Bsc(Jordan University), MSc (MUHAS)
193	D. Kisamo F	F	Honorary Lecturer	BA(UDSM), MSc(MUHAS)
194	D.S. Muntara M	M	Adjunct Teaching Assistant	BSc(Jomo Kenyatta)
195	M.A. Salema M	M	Adjunct Teaching Assistant	BSc(Jomo Kenyatta)
196	A. Siraji F	F	Honorary Lecturer	Bsc(JOMO KENYATTA), Msc(MANIPAL INDIA)
197	I.C Rugemalila	M	Honorary Lecturer	MD, MMED (MUHAS),PgDip(CUCMS),Grad.Cert(VCU)
198	G.P Simbee	F	Honorary Lecturer	MD, MMED (MUHAS),MSc(IBADAN)
199	L. Ngongi I	F	Honorary Lecturer	MD(UDSM), MMED(MUHAS)
200	P. Lawala S	M	Honorary Lecturer	MD(UDSM), MMED(MUHAS)
201	I.Mwombeki R	M	Honorary Lecturer	MD, MMED (MUHAS),MPH(Hebrew, University, Israel),Substance abuse fellowship(VCU,USA)

202	Joy Noel Baumgartne	M	Honorary Associate Professor	BA, University of Virginia, MA University of Wisconsin, PhD in Maternal and Child Health Anthropology (minor), University of North Carolina at Chapel Hill, NC, U.S.A
203	Marion Abner Salema	F	Honorary Lecturer	BSc. In Occupational therapy, Jomokenyata University.
204	Dawason Sylvester Muntara	M	Honorary Lecturer	BSc. In Occupational therapy, Jomokenyata University
205	Gema Peter Simbee	F	Honorary Lecturer	MD,MMED(MUHAS),MSc. Child and Adolescent Mental Health, Centre for Child and Adolescent Mental Health (University of Ibadan, Nigeria)
206	Innocent Rwiza Mwombeki	M	Honorary Lecturer	MD,MMED(MUHAS),MPH(Hebrew University of Health and Allied Sciences)
207	Isack Christopher Rugemalila	M	Honorary Lecturer	MD(MUHAS),MMed(UDOM)
208	Leonida Isdory Ngongi		Honorary Lecturer	MD,MMED(MUHAS)
209.				
209	S. Lidenge	M	Honorary Senior Lecturer	MD, MMed (MUHAS), Ph.D. (USA)
210	N. Dharsee	F	Honorary Senior Lecturer	MD, MMed (MUHAS), MSc (London)
211	J. Mwaiselage	M	Honorary Lecturer	MD (UDSM), PhD (Bergen)
212	S. Muya	F	Honorary Lecturer	MD(UDSM), MMed (WITS), FC Rad- Onc (SA)
213	E. Lugina	M	Honorary Lecturer	MD, MPH, MMed (MUHAS)
214	J. Ndumbalo	M	Honorary Lecturer	MD (UDSM), MMed (WITS), MBA (UDSM)
215	J. Dachi	M	Honorary Lecturer	BSc Physics, Math, Edc (UDSM), BSc (hon) Medical Physics (WITS), MSc Medical Physics (Italy)
216	H. Myanza	M	Honorary Lecturer	DDR(UDSM), BSc (University of Johannesburg), MSc (Shiffeld Hallam University)

217	G. Soko	M	Honorary Lecturer	BSc, MSc (MUHAS), PhD (Jiangxi University-China)
218	M. Mngoya	M	Honorary Lecturer	DDR (UDSM), BSc (MUHAS), MSc (Sheffield Hallam University), PgD Ed (UDSM)
219	S. Yusufu	M	Honorary Lecturer	BSc with Ed (UDSM), BSc (hon) Medical Physics (WITS), MSc Physics (UDSM)
220	N. Mvungi	M	Honorary Lecturer	MD, MMed (MUHAS)
221	B. Sangiwa	M	Honorary Lecturer	MBBS (CMU-CHINA), FCNP (SA), MMed (SA)
222	A.S. Mrema	F	Honorary Lecturer	MD (UDSM), MMed (MUHAS)
223	R. Mruma	M	Honorary Lecturer	DDR (UDSM), BSc (MUHAS), MSc (MUHAS)
224	M.A. Mseti	M	Honorary Lecturer	MD, MMed (MUHAS)
225	S.K. Nyagabona	F	Honorary Lecturer	MD (HKMU), MMed (MUHAS)
226	T. Maftah	F	Honorary Lecturer	MD (UDSM), FCNP (SA)
227	C. Kahesa	M	Honorary Lecturer	MD (IMTU), MSc (Makerere), PhD (Copenhagen)
228	Mamsau T. Ngoma	F	Honorary	MD, MMed (MUHAS)
229	Sikudhan Muya	F	Honorary Lecturer	MD(UDS)MMed (South Africa)
230	Emmanuel Lugina Lugina	M	Honorary Lecturer	MD, MMED,MPH,PhD MUHASHAS) 2018
231	Jumaa D. Kisukari	M	Honorary Lecturer	BSc,UDSM,MSc Italy
232	Rehema Mashaka Ramadhan	F	Honorary Lecturer	BSc Ed(Muslim University of Morogoro),MSc Physics(UDSM),MSc. Advanced Studies in Medical Physics at University of Trieste)
233	Mary Baltasary Haule	F	Honorary Lecturer	BSc. Nursing(AKU), Msc Supportive and Palliative Care(UK),Diploma of Palliative Care(Makerere University)
234	Mpanda Mngoya		Honorary Lecturer	BSc RTT(MUHAS).Msc. Radiotherapy Planning(Sheffield Hallam University – UK)

Surgery

Part time				
235 .	C. M. A. Yongolo	M	Associate Professor	MD, MMed (UDSM), MSc (Tumaini)
236 .	M. M. Aboud	M	Associate Professor	MD, MMed (UDSM), MMed Res. (Brussels), MSc (Tumaini)
237 .	C. A. Mkony	M	Professor	MD, MMed, (UDSM)
238	F. W. Mbanga	M	Senior Lecturer	MD, MMed (UDSM)
239	J. Rwanyuma	M	Honorary Lecturer	MD, MMed, Fellowship in Plastic Surgery
240 .	G. Mchele	M	Honorary Lecturer	MD, MMed, MSc
241 .	K. Kitembo	M	Honorary Lecturer	MD, MMed, MSc
242 .	Y. Ringo	M	Honorary Lecturer	MD, MMed, MSc
243 .	G. Mtaturu	M	Honorary Lecturer	MD, MMed, MSc
244 .	N. Kimu	M	Honorary Lecturer	MD, MMed, MSc
245 .	V. Sensa	M	Honorary Lecturer	MD, MMed
246	S. Kaali	M	Honorary Lecturer	MD, MMed, MSc
247	M. Sultan	M	Honorary Lecturer	MD, MMed
248	A. Swallow	M	Honorary Lecturer	MD, MMed
249	E. Mkongo	M	Honorary Lecturer	MD, MMed, MSc
250	Joachim Angelo	M	Honorary Lecturer	MD CUHAS, MUHAS
251	Herry Godfrey Kibona	M	Honorary Lecturer	MD, MMED MUHAS
252 .	Abdulrahman A. Amin	M	Honorary Lecturer	MD, MMED MUHAS
253 .	Isaack Mlatie Maro	M	Honorary Lecturer	MD, MMED MUHAS
254 .	Athuman Mitande	M	Honorary Lecturer	MD, MMED MUHAS

	Mbalamula			
255	Victor Patrick Sensa	M	Honorary Lecturer	MD,MMED MUHAS
256	Dorice Adrian Mgayane	F	Honorary Lecturer	BSc Phys,KCMC,MSC JKUAT,Fellow Neuro Rehabilitation, Fortis Memorial Research Institute
257	Mohammed S.A.S.	M	Honorary Lecturer	MD,MMED, MUHAS
258	Ibrahim S.Mkoma	M	Honorary Lecturer	MD,MMED, MUHAS
259	Juergen H. Dolderer	M	Honorary Professor	MD, University Frankfurt, Master of Health Business Administration, University Nuernberg,PhD – Plastic Surgery, University Medical Center Bayreuth.
260	Charles O. Komba	M	Honorary Lecturer	MD,MMED(MUHAS),Fellowship in Thoracic Surgery, Alexandria University
261	Paul J. Shayo	M	Honorary Lecturer	BSc in Physiotherapy, KCMUCo,
262	Ashura S. Kazema	F	Honorary Lecturer	BSc, MSc in Physiotherapy, KCMUCo. Currently is working at Muhimbili National Hospital as Physiotherapy Officer
263	John B. Ngendahayo	M	Honorary Lecturer	, General Surgery, MUHAS, MD(HKMU), MMed, MSc, MUHAS
264	Adelaida E. Mghase	M	Honorary Lecturer	MBBS (IMTU), MMed, Fellowship in Plastic Surgery 2011
265	Brian C. Mawalla	M	Honorary Lecturer	MD(KCMC), MMed (CUHAS),PhD, Huazhong University of Science and Technology
266	Edwin M. Mrema	M	Honorary Lecturer	MD, MMed, Nizhny Nougorod State Medical Academy, MSc, MUHAS,
267	Cameron Eric Gaskill	M	Honorary Lecturer	BS in Biology Physiology,MD, MPH in Global Health University of Washington, Research Fellowship in Global Surgery

SCHOOL OF DIAGNOSTIC MEDICINE

Haematology and Blood Transfusion

268	G. Moshi	F	Honorary Lecturer	MD (DARES SALAAM)
269	J. Makame	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)

270	S. Nyagabona	F	Honorary Lecturer	MD (HKMU) MMed (MUHAS)
273	H. I. Khamis	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
274	S. Rwezaula	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
275	N. Mahenge	F	Honorary Lecturer	BSc (UDSM) MSc (University of Maastricht, Netherlands)
276	S. W. Malangahe	F	Honorary Lecturer	MD, MSc (MUHAS)
277	E. Vuhahula	F	Honorary Senior Lecturer	DDS (UDSM), Cert.Pathology Tech, PhD (Hiroshima), FCPATH (ECSA)
278	C. Ngimba	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
279	E. A. Mtambo Vuhahula	F	Honorary Lecturer	Doctor of Dental Surgery (UDSM) PhD (Hiroshima University)
Microbiology & Immunology				
Part time				
280	M.I. Matee	M	Professor	DDS, MSc, PhD (UDSM)
Honorary				
281	P. Mbelele	M	Honorary Lecturer	MD (MUHAS) PhD (Nelson Mandela Institution) MMed (MUHAS)
282	E. Nicodemus	M	Honorary Lecturer	MD (Hubert Kairuki Memorial University) MMed (MUHAS)
283	S. Rugarabamu	M	Honorary Lecturer	MD (MUHAS) MSc (MUHAS)
284	G. Judicate	M	Honorary Lecturer	MD (MUHAS) PhD (Kumamoto University, Japan)
285	F.M. Msafiri	M	Honorary Lecturer	MD (MUHAS) PhD
286	G. Barabona,	M	Honorary Lecturer	MD (MUHAS) PhD (Kumamoto University Japan)
287	B. Malima	M	Honorary Lecturer	MD, MMed (MUHAS)
288	M. R. Mahiti	M	Honorary Lecturer	MD (MUHAS) PhD (Kumamoto University Japan)
289	A. Jusabani	M	Adjunct Professor	
290	F. Minja	M	Adjunct Professor	MD, Neuroradiology Fellow

291	A. Kessy	F	Honorary Lecturer	MD (KCMC) MMed (Norman Bethune College of Medicine Jilin)
292	F. Lwakatare	F	Honorary Lecturer	MD (UDSM) MMed, (Makerere University)
293	U. Kwikima	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS). MSC SS (MUHAS)
294	M. Kamuzora	F	Honorary Lecturer	MD (XI'AN JIATONG University) MMed (MUHAS)
295	A. Kalinga	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS).
296	E. Mbuguje	M	Honorary Lecturer	MD (MUHAS) MMed (MUHAS). MSC SS (MUHAS)
297	H. Machibya	F	Honorary Lecturer	MD (KCMC) MMed
298	M. S. Omary	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
299	S.B.Nsato	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
300	M. M. Jumbe	F	Honorary Lecturer	MD (MUHAS) MSc (MUHAS) MMED (Central south University Hunan China)
301	Judy Wawira Gichoya	F	Honorary Lecturer	MD (University Eldoret) MSc (Indiana University)
302	L. R. Abdallah	F	Honorary Lecturer	MD (MUHAS) MSc (MUHAS) MMed (MUHAS)
303	S. Mehta	M	Honorary Lecturer	MBBS (Grant Medical College, Mumbai India)
304	X. Marko	F	Honorary Lecturer	MD (Wayne State School of Medicine, Detroit, Michigan)

SCHOOL OF BIOMEDICAL SCIENCES

Biochemistry

Part time

305	T. Mselle	M	Lecturer	MD (UDSM), MSc (Surrey), PhD (Dartmouth)
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Honorary

306	R. H. Sijmons	M	Honorary Lecturer	MD (university Groningen) PhD (University Groningen)
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307	S. M. William	M	Honorary Lecturer	PhD (Washington University)
308	E. E. Efiang	F	Honorary Lecturer	BSc (Institute of Epidemiology, Helmontz Zentrum Munich, Germany) MSc (Calabar, Nigeria) PhD (University of Calabar, Nigeria)
Anatomy and Histology				
	NIL			
Biomedical Engineering				
309	V. Rwehumbiza	M	Honorary Lecturer	BSc (UDSM) MSc (Jacobs University, Germany) PhD (Jacobs University, Germany)
Clinical Pharmacology				
310	C. E. Leonard	M	Honorary Lecturer	BSc (Duquesne University) M.S.C in Clinical Epidemiology,
311	E. M Gedi.	M	Honorary Lecturer	BSc MUHAS MSc (at the University of Nairobi, Kenya)
312	E. E. Ngomuo	M	Honorary Lecturer	BSc MUHAS MSc
313	G. N. Musiba	M	Honorary Lecturer	BSc (St. John's University of Tanzania) MSc (MUHAS)
314	D. C. Buma	M	Honorary Lecturer	BSc (UDSM) MSc (MUHAS) PhD (MUHAS)
315	H. B. Ilomo	F	Honorary Lecturer	MPharm (MUHAS)
316	B. Leonard	M	Honorary Lecturer	BSc, MPharm (MUHAS)
317	J. M.Kaaya	F	Honorary Lecturer	BSc, MPharm (MUHAS)
318	M. A. Njelekela,	F	Honorary Lecturer	MD MUHAS PhD at Kyoto University, Japan 2003. MSc MUHAS
319	A. A. Ebrahim	F	Honorary Lecturer	MD (MUHAS) MSc (University of Edinburg, 2020, United Kingdom)

SCHOOL OF PHARMACY				
Part time Lecturers				
320	G. A. D. Kagashe	F	Associate Professor, Part time	BPharm (UDSM) PhD (Galway, Ireland) MSc. PSCM (Mzumbe University)
321	O.D. Ngassapa	F	Associate Professor	BPharm (UDSM), PhD (Chicago, USA)
Honorary Lecturers				
Clinical Pharmacy and Pharmacology				
322	D.C. Buma	M	Honorary Lecturer	BPharm (UDSM), MPharm (MUHAS), PhD (MUHAS)
323	H. B. Ilomo	M	Honorary Lecturer	BPharm, MPharm (MUHAS)
324	L. Charles	M	Honorary Lecturer	PharmD (UPenn), MSCE
325	E. Masunga	M	Honorary Lecturer	BPharm (MUHAS), MPharm (Univ of NBO)
326	G. N. Musiba	M	Honorary Lecturer	BPharm, MPharm (MUHAS)
327	L. Buganda	M	Honorary Lecturer	BPharm, MPharm (MUHAS)
328	J. M. Kaaya	F	Honorary Lecturer	BPharm (SJUT), MPharm (MUHAS)
329	E. E. Ngomuo	M	Honorary Lecturer	BPharm, MPharm (MUHAS)
Pharmaceutical Microbiology				
330	A.B. Mtenga	M	Honorary Lecturer	BPharm (Chennai), MSc Med Micr (London), PhD (GNU S. Korea)
Pharmacognosy				
331	H.M. Malebo	M	Honorary Lecturer	BSc in Chemistry & Biology, MSc. Natural Products Chemistry (UDSM), PhD in Medicinal Phytochemistry, (Kenyatta University)
332	A.A. Moyo	M	Honorary Lecturer	BSc in Chemistry and Biology (UDSM), MSc. Trad. Med. Dev (MUHAS), PhD (Shivaji University, India)
333	K. Manga	M	Honorary Lecturer	BPharm, MPharm (MUHAS)
Pharmaceutics and Pharmacy Practice				
334	Mary Kisima	F	Honorary Lecturer	Bpharm (St John's) MSc Pharmaceutical Management (MUHAS)

SCHOOL OF DENTISTRY

Part-time Lecturers

335	G. J. Mandari	M	Senior Lecturer	DDS (UDSM), MDent (UDSM)
336	P. T. N. Sarita	M	Lecturer	DDS (UDSM), PhD (Nijmegen)
337	F. M. Shubi	M	Senior Lecturer	MD (Stomat), MSc, PhD (USSR)
338	Prof. Febronia K. M. M. M.	F	Professor	DDS (UDSM), MSc (UDSM), PhD (Nijmegen)
339	E.N. SIMON	M	Senior Lecturer	DDS (UDSM), Cert. in Radiology (Amsterdam), PhD (Nijmegen)
340	J. R. Masalu	F	Senior Lecturer	DDS (UDSM), MPH (Leeds), PhD (Bergen)
341	E. G. S. Mumghamba	M	Senior Lecturer	DDS (UDSM), MDent (UDSM), PhD (Turku)

Honorary Lecturers

342	D. Kilasara	M	Restorative Dentistry	DDS, MDent (MUHAS)
343	K. S. Sohal	M	Oral and Maxillofacial Surgery	DDS (UDSM), MDent (MUHAS)
344	Arnold A. Mtenga	M	Oral and Maxillofacial Surgery	DDS (UDSM), MDent (MUHAS)
345	Germana Lyimo	F	Restorative Dentistry	DDS, (MUHAS) MDent (University of Cape Town)
346	Safaa Chunga	F	Orthodontics, Paedodontics and Community Dentistry	DDS (UDSM), MDent (MUHAS)
347	Luciana Albert	F	Restorative Dentistry	DDS (UDSM), MDent (MUHAS)
348	Dr. Gregory Mandari	M	Orthodontics, Paedodontics and Community Dentistry	DDS, MDent (MUHAS)
349	Doreen Masamu	F	Orthodontics, Paedodontics and Community Dentistry	DDS, MSc in stomatology (Shandong University, China)
350	Dr. Michael Masumbuko	M	Orthodontics, paedodontics and Community Dentistry	DDS, (MUHAS), MSc in stomatology (Shandong University, China)
351	Dr. Ibrahim Kasambala	M	Restorative Dentistry	Master of Dentistry (MDent) in Restorative Dentistry MUHAS, 2022 Doctor of Dental Surgery (DDS)

352	Dr Zenais F. Kawishe	F	Restorative Dentistry	Master of Dentistry (MDent) in Restorative Dentistry at MUHAS, 2022 Tanzania Bachelor degree in Dental Surgery (DDS) at MUHAS, 2017 Tanzania Certificate in Diploma in
353	Dr. Farizana R. Msagati	F	Restorative Dentistry	Master of Dentistry in Restorative Dentistry (MDENT) at MUHAS, 2022. Bachelor degree in Dental
354	Dr. Amimu Hamis Kilomoni	F	Restorative Dentistry	MDent in Restorative Dentistry, MUHAS, 2023. Master's Degree in Dentistry, EGE University, 2011

SCHOOL OF NURSING				
Clinical Nursing				
355	C.R Chapuchapu	F	Honorary Lecturer	BSc. N (St. Johns), MSc (MUHAS)
356	M.A. Mhoka	M	Honorary Lecturer	Dip (Bugando), BSc (St. Johns), MSc (MUHAS)
357	S.A. Mburuja	F	Honorary Lecturer	Dip, BSc (Kairuki), MSc(MUHAS)
358	J. J Mlingi	F	Honorary Lecturer	Dip (KCMC), BSc (Kairuki), MSc(MUHAS)
359	W.C. Mwilongo	F	Honorary Lecturer	BSc. N (St. Johns), MSc (MUHAS)
360	P.M Shirima	M	Honorary Lecturer	BSc., MSc. (MUHAS)
361	J.C Nsongo	M	Honorary Lecturer	BSc (UDOM), MSc (MUHAS)
362	S.M Mossy	F	Honorary Lecturer	Dip (KCMC), BSc (Aghakan), MSc(MUHAS)
363	T.L Mcharo	F	Honorary Lecturer	BSc. N (St. Johns), MSc (MUHAS)
Midwifery, Child and Reproductive Health				
364	B.K. Mwandali	F	Honorary Lecturer	Dipl. (KCMC), BSc. N (HKMU), MPH (KCMC), PhD (Cincinnati, USA)
365	S.L. Swallo	F	Honorary Lecturer	BSc. N (UDOM), MSc. (MUHAS)

SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES				
Part-time Lecturers				
366	A. V. F. Ngowi	F	Senior Lecturer	BSc (UDSM), MSc (OHS) (UK), PhD (Tampere Finland)
367	M. A. Mwangi	M	Senior Lecturer	BA (Ed.), MA, PhD (UDSM)
368	D. B. Gasarasi	F	Senior Lecturer	Dipl.Ed, BSc (UDSM), M SPH, ScD (Tulane)
369	S.D. Mamuya	M	Associate Professor	BSc (Eng) (UDSM), Dipl. (San. Eng) (Delf), Mphil (Bergen), PhD (Bergen)
370	R.N. Mpembeni	F	Associate Professor	BSc (UDSM), MSc (London), PhD (MUHAS)
371	D.P. Urassa	M	Professor	MD (UDSM), MTH

				(Queensland), MPH (Rome), PhD (Uppsala)
372	A.T. Kessy	F	Associate Professor	MD, MMed (UDSM)
373	P. G. M. Mujinja	M	Professor	BA (UDSM), MPH, CIH, MA
374	D. S. Tarimo	M	Associate Professor	MD, MSc TDC (UDSM), PhD
375	D. O. Simba	M	Associate Professor	MD, MMed (UDSM), PhD (Karolinska)
376	G. Kwesigabo	M	Associate Professor	MD (UDSM), MSc (London), MEd (Manchester), PhD (Umea)

Department of Behavioral Sciences				
Adjunct/Honorary Lecturers				
377	E. H. Shayo	F	Honorary Lecturer	BA, MA (UDSM) PhD (Bergen)
378	P. E Mangesho		Honorary Lecturer	BA, (Hons), (UDSM) MA, (UDSM), PhD, (University of Cape town),
Department of Community Health				
Adjunct/Honorary Lecturers/Teaching Associate				
379	L. B. Mlunde	F	Senior Honorary Lecturer	MD (MUHAS), MSc, PhD (Tokyo)
380	H .J. Rusobya	M	Teaching Associate	BSc (SUA), MPH, (MUHAS)
381	A. E. Mkumbo	F	Teaching Associate	BSc (SUA), MSc. (NM AIST)
382	H. P.Ndumwa	F	Teaching Associate	MD, (MUHAS), Masters of Philosophy (UiB)
383	N. Nhumba	M	Teaching Associate	MD, MSc PME (MUHAS)
Department of Development Studies				
Adjunct/Honorary Lecturers				
384	M. Mayige	F	Honorary Lecturer	MB ChB (Makerere), MPH (MUHAS), PhD, (Newcastle)

385	F. N. Ngalesoni	F	Honorary Lecturer	MD (UDSM), MSc (Yorkshire UK,) PhD, (Bergen)
386	G.W. Lyatuu	M	Honorary Lecturer	MD (MUHAS), MPH (Dartmouth), PHD, (Karolinska),
387	B.M. Binto	M	Honorary Lecturer	Dip. Clin. Med (Mtwara), BBA(TU-Iringa), PGD ED (CFR), LLB (TUDARCo), MFI (AIA), MBA (UDSM), MSC PMMEH (MUHAS).
388	P. J. Binyaruka	M	Honorary Lecturer	BA, MA (UDSM), PhD (Bergen)
389	A. Jonathan	F	Honorary Lecturer	MD(KCMC), MSc (MUHAS), MBA (Mzumbe)
390	D. M Sando	M	Honorary Lecturer	MD (UDSM), MSc (Jimma), MSc, PhD (Harvard)
391	E. F. Mkonyi	F	Honorary Lecturer	BA, MA, (UDSM), MSc, PhD(Minnesota)

Department of Environmental and Occupational Health

Adjunct/Honorary Lecturers

392	R.Y Esmail	F	Honorary Lecturer	BSc (OUT), BSc (MUHAS), MSc (MUHAS)
393	O. Kyetuza	M	Honorary Lecturer	BA, (UDSM), M.Eng (Beijing), PhD, (Nigeria)
394	D. A. Ngajiro	F	Honorary Lecturer	MD (MUHAS), MMED, PhD (Cape Town).
395	R. Elibariki	F	Honorary Lecturer	BSc (SUA), MSc (India)

Department of Epidemiology and Biostatistics

Adjunct/Honorary Lecturers

396	D. R. Bishanga	M	Honorary Lecturer	MD (UDSM), MSc (UDSM), PhD (Gronigen)
397	B. A. Kamala	M	Senior Honorary Lecturer	MD (MUHAS), MPH (Karolinska), PhD (Stavanger)
398	F. B. Haraka	M	Honorary Lecturer	MD (MUHAS), MSc (Nottingham), PhD (Basel)

399	W.M Maokola	M	Honorary Lecturer	MD (UDSM), MSc (Liverpool STM) PhD (KCMUCo),
400	G. S. Philipo	M	Honorary Lecturer	MD (MUHAS), MPH (China), Fellow in Global Surgery (UCSF), MGSC (Vancouver)
401	P.M. Karoli	M	Honorary Lecturer	MD, MPH, MSc
402	S. M. Jaffer	M	Honorary Lecturer	MD, MSc
403	S. S. Somji	F	Honorary Lecturer	BSc, MPH (Cardiff).
Department of Parasitology and Medical Entomology				
Adjunct/Honorary Lecturers				
404	S. M.Kinung'hi	M	Honorary Lecturer	BVM (SUA), MSc (Addis Ababa), PhD (Copenhagen)
405	A. Bhattarai	M	Honorary Lecturer	MSc (Basel), HCMTC (Swiss Tropical Institute), MCTM (Thailand), MBBS/MD
406	V. Silvestri	F	Honorary Lecturer	MD (La Sapienza), MSc (MUHAS), PhD (La Sapienza)
407	N. A. J Ritha	F	Honorary Lecturer	Diploma (Denmark), BSc (UDSM), MSc (Liverpool), PhD (Tumaini university)

INSTITUTE OF TRADITIONAL MEDICINE				
Adjunct/ Honorary/ Visiting Staff				
Department of Biological and Pre-Clinical Studies				
408	M. J. Moshi	M	Part-time Associate Research Professor	B. Pharm (UDSM), PhD (Glasgow)
Department of Medical Botany, Plant Breeding and Agronomy				
409	E. J. Kayombo	M	Part-time Senior Research Fellow	Dipl. Ed, BEd, MA (UDSM), PhD (Vienna)
410	H. J. Ojwang	M	Honorary Professor	BEd (Arts) (UoNBI), MSc (Univ Aston), PhD (UoNBI)

INSTITUTE OF ALLIED HEALTH SCIENCES				
S/N	Name	Sex	Academic Rank	Qualifications
School of Hygiene – Muhimbili				
1	J. R. Kijumbe	M	Part Time Tutor	DEHS (MUHAS), LLB Open University
School of Radiography				
2	S. Mkoloma	M	Part Time Tutor	DDR (MUHAS), BTech, MTech (SA)
3	B. Abdul	M	Part Time Tutor	DDR, BScRTT (MUHAS), MSc Rad (Shiffield)
4	S. S. Amsi	M	Part Time Tutor	BSc IT, MSc Computer Science
5	F.A. Lwakatare	F	Part Time Tutor	MD (MUHAS), MMed Radiology (MUHAS)
6	M. I. Shaban	M	Part Time Tutor	DDR (MUHAS), BSc MI (ECUREI)
7	M. M. Jumbe	F	Part Time Tutor	MMed Rad (China), MSc Women's Imaging (MUHAS)

10.3 LISTS OF PROFESSOR EMERITI AND RESEARCH CHAIR STAFF

1.	K. Pallangyo	M	Professor Emeritus	MD, MMed (UDSM), Cert. Clin. Micro/Immuno. (Nagasaki)
2.	K.P. Manji	M	Professor Emeritus	MBBS (India), MMed (UDSM), MPH (Harvard), FRCP (London), FRCPCH (London)
3.	E. F. Lyamuya	M	Professor Emeritus	MD, MMed (UDSM), PhD (Karolinska)
4.	J.Z.J. Killewo	M	Professor Emeritus	MB ChB (EA), DPH (UDSM) MSc (London), PhD (Umea)
5.	M.T. Leshabari	M	Professor and Research Chair	BSc, MA (UDSM), Dr. Sc (John Hopkins)



CHAPTER ELEVEN

ACADEMIC PRIZES

11.1.CAMPUS COLLEGE OF MEDICINE

11.2.SCHOOL OF CLINICAL MEDICINE

SN	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT
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 examinations	100,000/=
3	African Medical Research Prize	AMREF	Best Fourth year MD Student in Community Medicine	100,000/=
4	Ngirwamungu Memorial Prize	Medical Association of Tanzania (MAT)	Best Final year MD Student in Community Health	500,000/=
5	Microbiology and Immunology Prize	Prof. K. Linquist	Best second year MD in Microbiology/Immunology	50 USD in Books
6	Pathology Prize	Association of Pathologists of Tanzania	Best second year MD Student in Pathology	100,000/=
7	University Prize	MUHAS	Best Final Year <u>BSc RAD</u> Student	100,000/=
8	University Prize	MUHAS	Best Final Year BSc PT Student	100,000/=
9	Vice Chancellors Prize	MUHAS	BSc. RAD student with highest marks in first year degree examination	100,000/=
10	Vice Chancellors Prize	MUHAS	BSc. PT student with highest marks in first year degree examination	100,000/=
11	University Prize	MUHAS	Best Final Year BSc OT Student	100,000/=

12	Vice Chancellors Prize	MUHAS	BSc. OT student with highest marks in first year degree examination	100,000/=
13	University Prize	MUHAS	Best Final Year BSc.ASLP Student	100,000/=
14	Vice Chancellors Prize	MUHAS	BSc.ASLP Student with highest marks in first year degree examination	100,000/=
15	University Prize	MUHAS	Best Final Year BSc MP Student	100,000/=
16	Vice Chancellors Prize	MUHAS	BSc.MP Student with highest marks in first year degree examination	100,000/=
17	Prof. Pamela Kaduri Prize	Prof. Pamela Kaduri	Best Final Year MD student in Psychiatry	100,000/=
18	Prof. F. Mugusi Memorial Prize	Dr. F. Mugusi Family	Best performing undergraduate student in the final year of the Doctor of Medicine (MD) programme in Internal Medicine.	100,000/=

11.3.SCHOOL OF DIAGNOSTIC MEDICINE

SN	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT
1	Microbiology and Immunology Prize	Prof. K. Linquist	Best second year MD in Microbiology/Immunology	50 USD in Books
2	Prof Eligius F. Lyamuya's Prize	Prof Lyamuya F. Eligius	Best second year MD Student in Microbiology/Immunology	100,000/=
3	Lilian Nkinda's Prize	Ms.Lilian Nkinda	Best Final Year BMLS student	100,000/=
4	Pathology Prize	Association of Pathologists of Tanzania	Best second year MD Student in Pathology	100,000/=
5	University Prize	MUHAS	Best final year BMLS student	100,000/=
6	Vice Chancellor's Prize	MUHAS	Best first year BMLS student	100,000/=

11.4.SCHOOL OF BIOMEDICAL SCIENCES

SN	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT
1	Dr.Richard Silumbe's award	Dr.Richard Silumbe's award	BME Best Project Award	100,000/-
2	University Prize	MUHAS	Best final year Bachelor of Biomedical Engineering Student	100,000/-
3	Vice Chancellors Prize	MUHAS	BBME student with highest marks in first year	100,000/-
4	Dr. Sabina Mugusi Award	Dr. Sabina Mugusi	Best Second-Year Undergraduate Student in Clinical Pharmacology	100,000/-

11.5. SCHOOL OF DENTISTRY

SN	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT
1	University Prize	MUHAS	Best final year DDS student	100,000/=
2	Vice Chancellor's Prize	MUHAS	Best first year DDS student	100,000/=
3	Dr. C.V. Mtawali Prize	Dr. C.M. Luhanga	The best DDS student in the final year examination	100,000/=
4	Flora Fabian- Prize	Prof. F. Fabian-	The best DDS student with highest marks in Anatomy	100,000/=
5	Stoelinga Prize	Prof. Paul Stoelinga	The best 3 rd year DDS student with highest marks in Oral and Maxillofacial Surgery	100,000/=
6	Stoelinga Prize	Prof. Paul Stoelinga	The best 4 th year DDS student with highest marks in Oral and Maxillofacial Surgery	100,000/=
7	Stoelinga Prize	Prof. Paul Stoelinga	The best 5 th year DDS student with highest marks in Oral and Maxillofacial Surgery	100,000/=
8	Miracle Corners of the World Prize	MCW	The best fourth year DDS male student in clinical discipline	100,000/=
9	Miracle Corners of the World Prize	MCW	The best fourth year DDS female student in clinical discipline	100,000/=
10	Godson I. Mumghamba (GIM) Prize	Dr. Elfuraha G. Mumghamba	Fifth year DDS student with the best clinical skills in Periodontology	100,000/=

11	Mugonzibwa Prize	Dr. E.A. Mugonzibwa	The best DDS student in Orthodontics	200,000/=
12	Hellen Mlangwa Prize	Dr. Matilda Mtaya-Mlangwa and Family	The second-best DDS student in Orthodontics	100,000/=
13	Ntabaye Prize	Prof. M. Ntabaye	The best student in Preventive and Community Dentistry	200,000/=
14	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	200,000/=
15	Prof. Bakari Lembariti Prize	Tanzania Dentat Association	Best Fourth Year DDS student	200,000/=
16	Dr. Klint Innovative dental proposal award'	Dr Klint Nyamuhekung'e	DD5 student with the most innovative elective proposal	200,000/=

11.6. SCHOOL OF PHARMACY

SN	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT
1	Vice Chancellor's Prize	MUHAS	Best First Year Student	100,000/=
2	Vice Chancellor's Prize	MUHAS	Best Final Year Student	100,000/=
3	University Prize	MUHAS	Best Final Year Student	100,000/=
4	Mansoor Daya Prize	Mansoor Daya Chemicals Ltd	Overall Best Student in the Second Year	100,000/=
5	Mansoor Daya Prize	Mansoor Daya Chemicals Ltd	Overall Best Student in the Third Year	100,000/=
6	Nakiete Pharmacy Award	Nakiete Pharmacy	Best First Year Student	200,000/=
7	Nakiete Pharmacy Award	Nakiete Pharmacy	Overall Best Student in the Second Year	200,000/=
8	Nakiete Pharmacy Award	Nakiete Pharmacy	Overall Best Third Year Student	200,000/=
9	Nakiete Pharmacy Award	Nakiete Pharmacy	Best Third Year Student in Pharmaceutical Microbiology	200,000/=
10	Nakiete Pharmacy Award	Nakiete Pharmacy	Overall best (highest GPA) student in the school	200,000/=

11	Nakieta Pharmacy Award	Nakieta Pharmacy	Best Student in Medicinal Chemistry	200,000/=
12	Nakieta Pharmacy Award	Nakieta Pharmacy	Best Student in Pharmacognosy	200,000/=
13	Nakieta Pharmacy Award	Nakieta Pharmacy	Best Student in Pharmaceutics	200,000/=
14	Nakieta Pharmacy Award	Nakieta Pharmacy	Best Student in Pharmacy Practice	200,000/=
15	Tanzania Medicines and Medical Devices Authority Prize	Tanzania Medicines and Medical Devices Authority	Best First Year Student in Pharmaceutics	100,000/=
16	Tanzania Medicines and Medical Devices Authority Prize	Tanzania Medicines and Medical Devices Authority	Best Second Year Student in Pharmaceutics	100,000/=
17	Tanzania Medicines and Medical Devices Authority Prize	Tanzania Food & Drugs Authority	Best Third Year Student in Pharmaceutics	100,000/=
18	Tanzania Medicines and Medical Devices Authority Prize	Tanzania Medicines and Medical Devices Authority	Best Final Year Student in Pharmaceutics	100,000/=
19	Shely's Ltd Prize	Shely's Pharmaceuticals	Best final year Student in Medicinal Chemistry	100,000/=
20	NIMR Prize	Tanzania National Institute for Medical Research	Best final year student in Research Project	100,000/=
21	Pharmacy Council Prize	Pharmacy Council	Best final year Student in Pharmacy Practice	100,000/=
22	Pharmacy Council Prize	Pharmacy Council	Best Second year Student in Pharmacy Practice	100,000/=
23	Pharmacy Council Prize	Pharmacy Council	Best Third year Student in Pharmacy Practice	100,000/=
24	Felix Wiemes Prize on Quality Assurance	Deutsches Medikamenten-Hilfswerk Action Medeor e.V.	Best third year student in Pharmaceutical Quality Assurance	300,000/=
25	Felix Wiemes Prize on Quality Assurance	Deutsches Medikamenten-Hilfswerk Action Medeor e.V.	Best final student year with highest professional integrity	300,000/=

11.7. SCHOOL OF NURSING

SN	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT
1	University Prize	MUHAS	Best Final Year BSc.N Student	100,000/=
2	University Prize	MUHAS	Best Final Year BSc.M Student	100,000/=
3	University Prize	MUHAS	Best Final Year BScN.A Student	100,000/=
4	Vice Chancellor's Prize	MUHAS	Best BSc. N First Year Student	100,000/=
5	Vice Chancellor's Prize	MUHAS	Best BSc. M First Year Student	100,000/=
6	Vice Chancellor's Prize	MUHAS	Best BScN.A First Year Student	100,000/=
7	Dean's Prize	Dean, School of Nursing, MUHAS	Overall Best Final Year Student	100,000/=
8	Prof. John O. Outwater's Prize	Dr Anne Outwater	Best student in BSc. Nursing Research Dissertation	150,000/=
9	Samiji and Kindunda Award	Mr Rashidi Heri	Best undergraduate student in Nutrition course	100,000/=
10	Dr. Sebalda Charles Leshabari PhD RNM	Dr. Anne H. Outwater	Undergraduate student with the highest-grade point average and exception dedication to the field of Midwifery. The student should have a GPA of 3.8 and above	150,000/=

11.8. SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

SN	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT
1	University Prize	MUHAS	Best final year student	100,000/=
2	Vice Chancellor's Prize	MUHAS Vice-Chancellor	Best first year student	100,000/=
3	Professor Emeritus Japhet Killewo Prize	Prof. Japhet Killewo	First Best Performing Undergraduate in Epidemiology	400,000/=
4	Professor Emeritus Japhet Killewo Prize	Prof. Japhet Killewo	Second Best performing Undergraduate in Epidemiology	300,000/=
5	Professor Emeritus Japhet Killewo Prize	Prof. Japhet Killewo	Third Best performing Undergraduate in Epidemiology	200,000/=

6	Che-Guevara Prize	Prof. A. Kiwara	Overall Best undergraduate Student in DS across all programmes at MUHAS	100,000/=
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11.9.INSTITUTE OF ALLIED HEALTH SCIENCES

SN	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT
1	MUHAS (ADDV) Prize	MUHAS	Best Final Year Student	100,000/=
2	MUHAS (DDR) Prize	MUHAS	Best Final Year Student	100,000/=
3	MUHAS (DEHS) Prize	MUHAS	Best Final Year Student	100,000/=
4	MUHAS (DOT/DPOS) Prize	MUHAS	Best Final Year Student	100,000/=
5	Institute Prize (ADDV)	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	100,000/=
6	Institute Prize (DDR)	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	100,000/=
7	Institute Prize (DEHS)	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	100,000/=
8	Institute Prize (DOT/DPOS)	IAHS	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	100,000/=
9	School of Radiography (DDR) Prize	Radiography School	Best student in final group, best in discipline and in practical expertise during the course not withstanding higher class position	200,000/=
10	School Prize (DOT/DPOS)	APOT	Overall Best students in Prosthetics and Orthotics Clinical Skills	100,000/= and Certificate

11.10. INSTITUTE OF TRADITIONAL MEDICINE

SN	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT
1	Diploma in Herbal Medicine	ITM	Best first year student	100,000/-