



ST. FRANCIS UNIVERSITY COLLEGE OF HEALTH AND ALLIED SCIENCES

(A Constituent College of St. Augustine University of Tanzania)

PROSPECTUS 2021/2022 - 2022/2023



The 6^{th} SFUCHAS Graduation Ceremony: November 14, 2020 at SFUCHAS Graduation Square.



SFUCHAS academic staff from various departments during the 6^{th} SFUCHAS Graduation ceremony, November 14, 2020.



SFUCHAS- MD graduants during the 6^{th} SFUCHAS Graduation ceremony, November 14, 2020.

TABLE OF CONTENTS

MEM	BERS OF THE COLLEGE GOVERNING BOARD	6	
MEM	BERS OF THE COLLEGE ACADEMIC COMMITEE	7	
SENIC	OR OFFICERS OF THE COLLEGE	8	
PRIN	CIPAL'S MESSAGE	10	
CHAI	PTER ONE: GENERAL INFORMATION	11	
2.4.1	SUMMARY OF THE MODULES FOR THE SEMESTER SYSTEM	47	
2.5	COURSES DESCRIPTION		50
SEN	MESTER 1		50
2.5.1	BASICS OF CLINICAL and COMMUNITY MEDICINE (BM100)	50	
2.6	ANATOMY (AN100)	51	
2.7	BIOCHEMISTRY (BC100)	51	
2.8	INTRODUCTION TO PROFESSIONALISM and ETHICS (EP100)	52	
SEN	MESTER 2		53
2.9	NEUROANATOMY (NA100)	53	
2.10	HEALTH SOCIOLOGY (HS100)		
2.11	MEDICAL PHYSIOLOGY (PH100)		
2.11.1	Course title: Medical Physiology	55	
2.12	ICT and COMMUNICATION SKILLS (IC100)		
SEN	MESTER 3		56
2.13	MICROBIOLOGY and IMMUNOLOGY (MI200)	56	
2.14	PARASITOLOGY and MEDICAL ENTOMOLOGY (PE200)	57	
2.15	BIOSTATISTICS and and EPIDEMIOLOGY (BE200)	58	
2.16	DEVELOPMENT STUDIES (DS200)	59	
2.17	INTRODUCTION TO COMMUNITY MEDICINE (CM200)	60	
2.18	CLINICAL PHARMACOLOGY (CP200)	60	
2.19	PATHOLOGY (PA200)	61	
2.20	PATHOLOGY (PA200)		
2.21	MANAGEMENT OF DISEASES (MD300)		
2.23	DIAGNOSTIC IMAGING (DI300)		
2.24	LEADERSHIP AND MANAGEMENT (LM300)	65	
2.25	GENERAL SURGERY (GS400)		
2.26	OBSTETRICS and GYNAECOLOGY (OG400)	67	
2.27	PAEDIATRICS AND CHILD HEALTH (PC400)		
2.28	IM400: INTERNAL MEDICINE	68	
YEAR	R 4, SEMESTER 8 and YEAR 5, SEMESTER 9		
2.29	RESEARCH FIELD PROJECT (RP500)		
2.30	COMMUNITY MEDICINE (CM500)		
2.31	PSYCHIATRY (PS500)		
2.32	SURGICAL SUB-SPECIALITIES		
2.33	MEDICAL SUB-SPECIALITIES (MS500)		
	R 5, SEMESTER 10		
2.34	ADVANCED GENERAL SURGERY (GS500)		
2.35	ADVANCED OBSTETRICS AND GYNAECOLOGY (OC500)	74	

2.36	ADVANCED PAEDIATRICS AND CHILD HEALTH (PC500)75	
2.37	ADVANCED INTERNAL MEDICINE (IM500)75	
	ENTREPRENEURSHIP (EN500)77	
4.4	CERTIFICATE IN MEDICAL LABORATORY SCIENCES	. 101

MEMBERS OF THE COLLEGE GOVERNING BOARD

Sn	Name	Virtue of Appointment	Position
1	Rt. Rev. Salutaris Libena	The Owner	Chairman
2	Rt. Rev. Agapit Ndorobo	Bishop of Mahenge	Member
3	Prof. Costa-Ricky Mahalu	VC-SAUT	Member
4	Prof. Erasmus Kamugisha	Principal	Member
5	Rev. Dr. Charles Kitima	TEC-Secretary General	Member
6	Prof. Fr. Juvenalis Baitu	DP-PFA	Member
7	Dr. Festus Kalokola	DP-ARC	Member
8	Prof. Pascalis Rugalabamu	Council member	Member
9	Prof. Betram B. Mapunda	Senate member	Member
10	Member from the Ministry of Education	Ministry of Education, Science and Technology	Member
11	Dr. Albino Kalolo	Academic Committee member	Member
12	Dr. Saitore Laizer	MoHCDGEC	Member
13	Prof. Flora Fabian	Member from another University of Health Sciences	Member
14	Rev. Dr. Winifrid Gingo	Director SFRH	Member
15	Dr. Gabriel Upunda	Renowned Medical Doctor	Member
16	SFUCSO Representative	Students' representative	Member
17	SFUCSO Representative	Students' representative	Member
18	Rev. Achilleus Ndege	Ex lege	Secretary

MEMBERS OF THE COLLEGE ACADEMIC COMMITEE

Sn	Name	Virtue of Appointment	Position	
1	Prof. Erasmus Kamugisha	Principal	Chairman	
2	Dr. Festus M. Kalokola	Ag. DP-ARC	Member	
3	Prof. Juvenalis R. Baitu	DP-PFA	Member	
4	Dr. Albino Kalolo	Dean-FoM	Member	
5	Dr. Theresia Karuhanga	BOG representative	Member	
6	Prof. Robert Machangu	Director QA	Member	
7	Mr. Gervas Kazitanga	IAHS-Coordinator	Member	
8	Ms. Neema Mushi	Head Library	Member	
9	Dr. Gabriel Upunda	Principal' appointee	Member	
10	Prof. Richard Silayo	Principal' appointee	Member	
11	Dr. Beatrice Chipwaza	Principal appointee	Member	
12	Mr. James Mpemba	Admission officer	Member	
13	Dr. Balichene Madoshi	Examination officer	Member	
14	SFUCSO president	Student representative	Member	
15	Dr. Nicholas Kavana	Associate Dean FoM	Member	
15	Dr. Richard S. Gellejah	Director of Research	Member	
16	Mr. Petro Byamungu	Co-opted	Member	

SENIOR OFFICERS OF THE COLLEGE

Chancellor of SAUT

Bishop Gervas Nyaisonga

Vice chancellor of SAUT

Prof Costa Mahalu

Chairman of the SFUCHAS Governing Board

Bishop Salutarius Libena

Principal of St. Francis University College of Health and Allied Sciences

Prof. Erasmus Kamugisha, MD (UDSM), MSc (Makerere) PhD (CUHAS and Uppsala University, Sweden)

Deputy Principal- Academic, Research and Consultancy

Dr. Festus M. Kalokola, MD (UDSM), MMed (UDSM), Dipl. Haem/Oncol. (Univ. of Graz, Austria).

Deputy Principal – Planning, Finance and Administration

Prof Juvenalis Baitu, DT (Makerere University), MA (Academia Alfonsiana), PhD (Academia Alfonsiana),

Dean Faculty of Medicine

Dr .Albino Kalolo , MD (UDSM) , MSc (Maastricht , The Netherlands), PhD (Heidelberg, Germany) , GHES Fellow (University of California, Berkeley, USA)

Associate Dean Faculty of Medicine

Dr. Nicholas J. Kavana, MD (Volgograd, Russia), DAP&E (IMR, Malaysia), MSc (Univ.Malaya, Malaysia), PhD (SUA).

Director Quality Assurance

Prof. Robert S. Machang'u, BVM (CLUJ, Romania), MVM (Giessen, Germany), PhD (Guelph, Canada).

Dean of Students

Fr. Dr. Stephen Kadilo, MD (CUHAS)

Chaplin

Fr. David Mwango, MA (Antonianum, Italy)

Director of Finance

Fr. Achellius Ndege, MBA

Bursar

Claud Mng'ani, BA (SAUT), MBA (Mzumbe)

Senior Administrative Officer

Vacant

Coordinator Institute of Health and Allied Sciences

John Kazitanga, BPharm (CUHAS)

PRINCIPAL ADDRESS

Principal

St. Francis University College of Health and Allied Sciences

P. O. Box 175, Ifakara, Morogoro

Phone: 023-2931-568, Fax: 023 - 2931-569

Email; principal@sfuchas.ac.tz, Website: www.sfuchas.ac.tz

PRINCIPAL'S MESSAGE



"Medical education is an obligation of three parties: parents, students and academic staff, all aiming at producing a graduate who is knowledgeable and skillful in solving health problems"

The role of a medical school is not only to pursue academic excellence but also to motivate and empower its students to develop technical, intellectual, emotional and analytical intelligence, which is required in solving day-to-day challenges in the health sector.

Since its inauguration in 2010, SFUCHAS has pledged to transfer knowledge from one generation to another through teaching, research and community service.

SFUCHAS ultimate goal is to develop a human resource for health workforce that is professionally competent but which has also moral, spiritual and ethical values required by the health profession.

At SFUCHAS, we provide a learning environment for multidimensional development, where our students are encouraged to maximize their potential in the pursuit of excellence. Thus, talents, skills, and abilities of each student need to be identified, managed and nurtured.

The development and implementation of the 2021-2022 Prospectus is a true testimony to strengthen academics, research, community service and extra-curricular activities so as to ensure that the College meets its goal and targets.

I wish everyone successes in enabling SFUCHAS become an outstanding Catholic University that continues to set standards of excellence in medical education, research and community service.

Prof. Erasmus Kamugisha

Principal

St. Francis University College of Health and Allied Sciences

CHAPTER ONE: GENERAL INFORMATION

1.1 INTRODUCTION

SFUCHAS was established in October 2010 as a Constituent College of Saint Augustine University of Tanzania (SAUT)

It is a Faith based, Not for Profit Higher Learning Institution under the Catholic Bishops

It was officially inaugurated on 12nd June, 2011 and granted Certificate of Full Registration by the Tanzania Commission for Universities (TCU) in September 2013.

The rationale for establishing SFUCHAS was based on three facts:

Firstly, the need for the government to train and make available competent and adequate number of health workers especially in the rural areas

Secondly, need to promote and sustain public-private partnership in the delivery of health services (National Health Policy, 2003)

Thirdly, need to support the government's effort to alleviate the severe Human Resources for Health crisis at all levels of the health care system that continues to exist.

SFUCHAS started its operations at the Bishop Iteka Complex with limited training facilities and staff in 2010

The College started with an intake of 46 MD students and later on established the Institute of Allied Health Sciences to train Laboratory and Pharmaceutical Science students.

SFUCHAS is strategically located in the rural town of Ifakara, a location that offers an intellectually stimulating learning, service and research environment to staff, students, researchers and patients

Ifakara town is a home of five institutions famously known as the "Ifakara cluster". The cluster, is a renowned 'Centre of Excellence' that offers a unique opportunity for clients to combine and experience medical education, research and clinical practice in one location (one stop centre).

The institutions forming the Ifakara Cluster include:

- 1) St Francis University College of Health and Allied Sciences (SFUCHAS): A higher level learning institution that trains, conducts research and provides community services
- 2) The Ifakara Health Institute (IHI): a renowned research institution that conducts health related research
- 3) Tanzanian Training Centre for International Health (TTCIH): a mid-level training institution for diploma courses in clinical medicine and other related health disciplines
- 4) St. Francis Referral Hospital a referral hospital providing specialised medical services,
- 5) Edgar Maranta School of Nursing that trains nurses at certificate and Diploma levels and

Recently a cancer hospital started its operation in Ifakara. The Good Samaritan Cancer hospital is another potential institution to join the Ifakara Cluster. The Hospital is strategically positioned to provide a learning environment for students and the faculty at SFUCHAS, specifically so in the area of oncology and radiotherapy

Furthermore, SFUCHAS also works in collaboration with a number of health facilities that provide which provide conducive teaching/learning environments for students' clinical practice to our students and the faculty. The teaching hospitals include St Francis Referral Hospital and Morogoro Regional Referral Hospital. Other facilities where students go fo field work include district hospitals and health centres within the Morogoro region,

In strengthening partnership and collaboration with other institutions, SFUCHAS has had the opportunity to work with the highest caliber of partner institutions from North America, Europe and Asia on important projects.

Specifically, SFUCHAS is collaborating with: University of Colorado Denver- USA, Warwick University-UK, University of Innsbruck – Austria, University of Bologna -Italy, University of Modena and Reggio Emilia - Italy, Sarpiensa University–Italy, British Columbia University- Canada.

Other non-University institutions include: Provisional Charitable Foundation – Canada, Doctors Friends of Ifakara – Austria, Bellagio Global Health Education Initiative, CUGH, INUKA, USOKAMI Health Centre, IHI, SFRH, TTCIH, Universities in Tanzania.



SFUCHAS Bishop Agapiti Ndorobo complex (a multipurpose building)

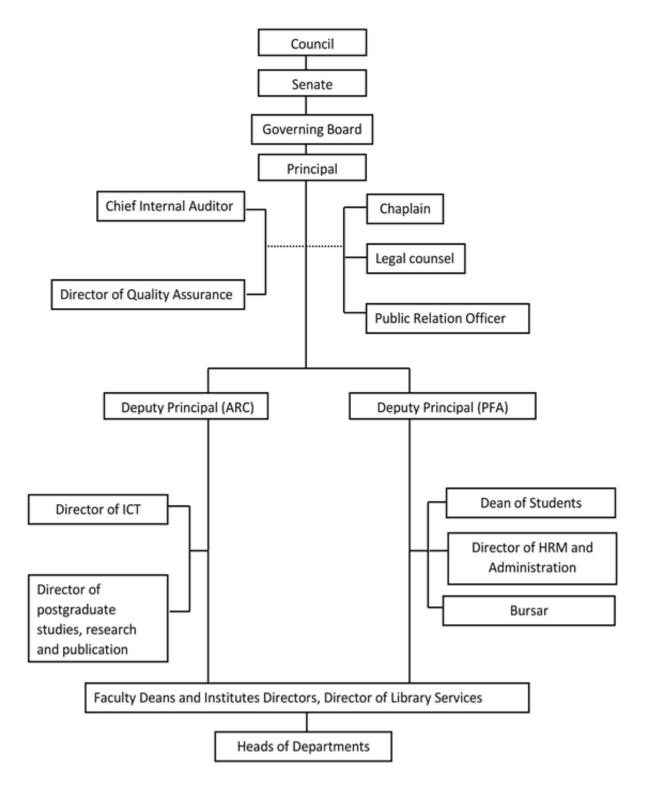
SFUCHAS VISION

To be an outstanding Catholic University by setting standards of excellence in health training, research and health care for the rural community.

SFUCHAS MISSION

- 1. To transfer knowledge from one generation to another through teaching, and advance knowledge through research in rural community.
- 2. To create a competent human resource workforce with moral, spiritual and ethical values in rural Tanzania
- 3. To deliver quality services to the rural community in Tanzania.

1.1.2 SFUCHAS ORGANISATION STRUCTURE



1.2 LIST OF UNDERGRADUATE ACADEMIC PROGRAMMES OFFERED AT SFUCHAS

At present SFUCHAS has one medical doctors (MD) programme.

1.2.1 FACULTY OF MEDICINE

Doctor of Medicine (MD)

1.2.2 APPLICATION PROCEDURES

1.2.2.1 UNDERGRADUATE PROGRAMME

Entrance Requirements for MD.

Direct entrance

Applicants with A-Level qualifications should apply for the degree course through the St. Francis University College of Health and Allied Sciences (SFUCHAS) online Application Portal available on the website www.sfuchas.ac.tz. Applicants are holders of Advanced Certificate of Secondary Education Examination (ACSEE) with three principal passes in PHYSICS, CHEMISTRY, and BIOLOGY. The minimum entry of 6.0 points is required whereby one must have at least a "D" grade in Physics, Chemistry, and Biology.

Equivalent Qualifications:

Applicants with equivalent qualifications (Holders of Diploma or Advanced Diploma in Clinical Medicine with second class or (B) average pass) should also apply through the SFUCHAS online Application Portal on the website www.sfuchas.ac.tz. All equivalent applicants must have a Diploma or Advanced Diploma in Clinical Medicine with an average grade 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.

Entrance Requirements for Diploma

Ordinary Diploma in Medical Laboratory (Upgrading) – NTA Level 6

A three (3) Year Programme

Direct Entry Requirement:

Holders of Certificate of Secondary Education Examination (CSEE) with at least four (4) passes in non-religious subjects including Chemistry, Biology and Physics/Engineering Sciences. A pass in Basic Mathematics and English Language is an added advantage.

A One (1) Year Programme

Direct Entry Requirement:

Holders of Certificate of Secondary Education Examination (CSEE) with five (5) passes in non-religious subjects including "D" passes in Chemistry, Biology, and Physics/Engineering Sciences PLUS holders of Technician Certificate in Medical Laboratory Sciences (NTA level 5) from a NACTE recognized Institution

Ordinary Diploma in Pharmaceutical Sciences (DPS) - NTA LEVEL 6

A three (3) years Programme

Direct Entry Requirements:

Holders of Certificate of Secondary Education Examination (CSEE) with at least four (4) passes in non-religious subjects including Chemistry and Biology.

A One (1) year Programme

Direct Entry Requirements:

Holders of Certificate of Secondary Education Examination (CSEE) with four (4) passes "D" in non-religious subjects including Chemistry and Biology PLUS must possess Technician Certificate in Pharmaceutical Sciences (NTA Level 5) from a NACTE recognized Institution

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.

1.4 ADMISSION REGULATIONS

- (i) Successful applicants will be registered only after they have paid the requisite University fees and provided evidence of having a reliable sponsor.
- (ii) Applicants who are employed must show evidence of release from their employers before they are allowed to register and must sign agreement with the University barring such applicants from engaging in any employment during the period
- (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 will be determined by the University Management.
- (v) All admitted students are expected to conform entirely to University regulations.
- (vi) All new students are required to report for the orientation programme that normally takes place during the first week of the new academic year.
- (vii) The deadline for registration of first year students will be four weeks, from the first day of the orientation week, while for continuing students it will be the Friday of the second week after the beginning of the semester. A student failing to register on time shall cease to be a bonafide student of SFUCHAS.
- (viii) Transferring from one academic programme to another; or transfer from another institution to which the candidate has been allocated by TCU to SFUCHAS, will only be allowed where the student meets the required admission criteria for the academic programme for which transfer is being sought, and a vacancy exists in that programme. Following transfer, TCU shall be immediately notified of the same.
- (ix) Students entering this University, as transfer cases cannot transfer grades obtained elsewhere unless the programmes from the other University are in the Credit Accumulation and Transfer System (CATS). Transfers should also conform to the TCU principles of credit transfer as outlined in the current TCU University Qualifications Framework.

- (x) A student who intends to transfer for purposes of graduation at SFUCHAS shall be required to spend a minimum of two thirds of the duration of the programme of study at this University.
- (xi) Where degrees are classified, the maximum transferable load is one academic year.
- (xii) 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 readmitted to the same year of studies where they left off.
- (xiii) Students discontinued from studies on academic grounds from SFUCHAS or any other university shall only be eligible for re-admission or admission, respectively to this University for the same programme at least three years after discontinuation from studies.
- (xiv) Students discontinued from studies on disciplinary grounds or due to examination irregularity **shall not** be re-admitted to this University.
- (xv) Except under exceptional circumstances, no change of names by students will be entertained during the course of study at the University and they will only be allowed to use names appearing on their O- and A-level certificates.
- (xvi) No student will be allowed to postpone or freeze studies after effective commencement of an academic year except under very special circumstances. Permission to postpone or freeze studies will be considered after producing satisfactory evidence of the reasons for postponement or freezing and written approval from the sponsor and Senate. Special circumstances shall include:
 - a) Sickness;
 - b) Serious social problems (each case to be considered on its own merit); and
 - c) Severe sponsorship problems.
- (xvii) 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.

1.5 GENERAL UNIVERSITY EXAMINATION REGULATIONS

1.5.1 General Regulations for the MD Programme

- (i) The MD programme is a 10 semester programme and the maximum allowable period for registration shall be 14 semesters.
- (ii) Registration of full time students shall be done yearly at the beginning of each academic audit year.
- (iii) For every course taught there shall be at least one continuous assessment Examination and an end of semester university examination. The continuous assessment shall constitute 50% of the end of semester examination grade.
- (iv) A candidate who obtains a C grade or higher in all 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.
- (v) A candidate who for compelling reasons does not appear for any regular examination wholly or partly shall be allowed by Senate to sit for special examination as first sitting on the recommendation of Faculty/Institute and Academic Committee.
- (vi) A candidate who fails in one or more subjects shall be allowed to sit for a supplementary examination during the long vacation if he/she obtained an overall GPA of 1.6 or higher.
- (vii) A candidate who obtains an overall GPA of less than 1.6 at the end of an audit year shall be discontinued from studies.
- (viii) A candidate who fails the first supplementary shall be allowed to proceed to the next year of study and sit for a second supplementary provided he/she obtains an overall GPA of 1.8 or higher.
- (ix) A candidate who fails the first supplementary with an overall GPA of less than 1.8 shall be discontinued from studies.
- (x) No candidate shall be allowed to sit for a third supplementary, EXCEPT in special cases as may be determined by Senate on recommendations of the Faculty Board and Academic Committee.
- (xi) A candidate who passes a supplementary examination at any level shall be awarded a "C"grade.

1.5.2 Examination regulations for MD in the Clinical Year

- (i) No candidate shall be allowed to proceed to the clinical year of study unless and until he/she has passed all professional basic science courses.
- (ii) A candidate who fails the junior clinical rotation shall be required to do a supplementary rotation of not less than 4 weeks in the failed rotation during the long vacation; provided that the maximum tenure for the M.D programme of 14 semesters is not exceeded.
- (iii) The candidate will be considered to have passed his clinical rotation if he will have demonstrated in the course of the rotation that:
 - (a) A candidate must have acquired a satisfactory level of clinical skills in eliciting a history and physical findings from a patient.
 - (b) A candidate must have clerked the required number of patients and submitted detailed write-up of the history, physical findings, lab results and a plan of management of each patient for evaluation.
 - (c) A candidate must have followed closely the patient's daily progress.
 - (d) A candidate has observed and assisted or executed the prescribed number of procedures.
- (e) A candidate has passed a clinical and written evaluation at the end of the rotation. (iv) At the end of the senior rotation a candidate will not pass the final examination in any clinical subject unless and until he/she has passed the clinical part, which will consist of 40% clinical continuous assessment and 60% of the final examination. A candidate who fails senior clerkship clinical rotation (semester 9 & 10) shall be required to do a supplementary in the failed rotation before progressing to the next clinical rotation. For clinical rotations whose duration is more than six weeks, the supplementary rotation shall be half the duration of that rotation. A candidate failing the end of the year examination will be required to appear for a supplementary examination in the failed subjects within three months if he has failed one or two subjects or within six months if he has failed in more than two subjects.
- (v) 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 and pass before progressing to the next clinical rotation or year of study.
- (vi) A student who fails the first supplementary rotation will repeat a full rotation and pass the supplementary examination before can be considered to have completed the semester.
 - For rotations which have less than 6 week's duration, the period of supplementary rotation will be 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 complete studies respectively; provided that the

maximum tenure of 14 semesters shall not be exceeded.

- (vii) A candidate with incomplete course work in any semester will not be allowed to sit for end of module or rotation examination.
- (viii) Progression to semester 9 and 10 is subject to completion of clinical rotations, submission of a satisfactory elective research report, completing rotations and passing University examinations for semester 7 and 8.
- (ix) 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.
- (x) A candidate who fails in more than four subjects will be required to repeat the year if this does not conflict with other regulations.
- (xi) A candidate in the final year failing a supplementary examination after he/she has attended all prescribed courses shall sit for a second supplementary at the next opportunity of the same course.
- (xii) A candidate in the final year failing a supplementary examination shall have to register for subsequent supplementary (ies) one month before the commencement of the examination.
- (xiii) A student shall be awarded the MD degree after passing all prescribed courses including Development Studies.
- (xiv) No student will be allowed to graduate if he/she has not completed all fieldwork assignments and submitted relevant reports.
- (xv) A student shall be awarded the MD degree after passing all prescribed courses in the MD programme.
- (xvi) The MD degree shall not be classified.

1.5.3 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 Faculty Board and the Senate, SFUCHAS 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 Faculty or Institute.

1.5.4 Regulations for students' professional conduct

- (i) Every student shall be required to behave professionally and pass Professionalism and Ethics in Health Science modules as offered in the respective programme and also pass the professionalism competency domains as assessed in the various modules, courses or rotations in the program.
- (ii) Professionalism will also include attention to the patient, appropriate patient care, upholding of ethical behavior while handling patients, altruism and compliance to the approved University dress code.
- (iii) Any student whose behavior is considered to be unprofessional or lacks professionalism at any time shall be discontinued from studies by the Disciplinary Authority without any FURTHER enquiry.

1.5.5 Eligibility for Examinations

(i) The Dean of the Faculty or the Director of the 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.

- (ii) Where a candidate barred in accordance with paragraph 1.5.3 (I) enters the examination room and sits for a paper, his/her results in that paper shall be declared null and void.
- (iii) A candidate whose work or progress is considered unsatisfactory may be required by the Senate upon the recommendation of the Faculty Board as the case may be, to withdraw from the University or to repeat any part of the course before admission to an examination.
- (iv) Candidates with unpaid tuition fees and all other prescribed fees shall not be allowed to sit for examination.
- (v) Candidates who fail to sign the HESLB Pay Sheets shall not be allowed to sit for University Examinations.

1.5.6 Absence from Examinations

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

1.5.7 Board of Examiners

- (i) University examinations shall be conducted by a Board of Examiners which shall consist of one or more examiners appointed from outside the Examination Unit, in conjunction with one or more of the teachers of the candidates in the courses under examination. An exception to this is that in the case of reexamination of candidates who have failed in the ordinary University examination, all the examiners may be appointed from within the University, provided that at least one of them had no part in teaching the courses under examination.
- (ii) 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 at the end of each Semester.
- (iii) External Examiners shall be entitled to honoraria, as the Council shall prescribe.

1.5.8 Form of Examination

- (i) In any examination a candidate may, at the discretion of the Board of Examiners, be required to attend an oral examination in addition to written and practical/clinical and other type of examinations depending on the appropriate method of assessment.
- (ii) The percentages of the total marks awarded for written, practical/clinical and oral examinations in any course shall be determined by the Senate on the recommendations of the appropriate Faculty Board and as described in this prospectus.

1.5.9 Dates of Examinations

- (i) End of semester examinations in the Faculty shall be held at a time to be determined by the Faculty Board, which shall normally be at the end of each semester.
- (ii) Candidates who are referred and are required to do supplementary examinations shall be re-examined in the referred subjects at a time to be determined by the Faculty Board 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 programs of study.
- (iii) A candidate who, for a grave cause, was unable to present himself/herself in the ordinary examinations may, with special permission of the Academic Committee, upon recommendation of the Faculty Board, present himself/herself for examination at a time fixed for any supplementary examination.
- (iv) It is the duty of the Department to ensure that there is a documented regular formative Assessment and Assessment of competencies using appropriate tools.

1.5.10 Conduct of Examinations

- (i) University examinations shall be conducted under the control of the DP-ARC or such other officer of the University as the DP-ARC may appoint.
- (ii) The Faculty Board, in the manner it shall prescribe, shall appoint the examiners for University examinations.
- (iii) The DP-ARC shall have power to issue such instructions, notes or guidelines to candidates, invigilators and examiners of University examinations, as he/she shall deem appropriate for the proper, efficient and effective conduct of such examinations.

1.5.11 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 Academic Committee upon the recommendation of the Faculty Board.

(i) External Examiners must be:

- (a) Senior University Faculty of the rank of Senior Lecturer and above.
- (b) External to the University (another University in or outside Tanzania)
- (c) Expert in the course/subject to be examined.
- (d) Active researchers, with at least 3 publications within the last three years.

(ii) Tenure of appointed External Examiner

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

(iii) Appointment of Internal Moderators

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.
- (iv) External examiners and moderators' guidelines shall be similar. These shall be provided by the office of DP-ARC's and appended to the appointing letter.
- (v) After completion of their assessment, the external examiners and moderators shall immediately forward their reports to the DP-ARC and copies to the Principal and Dean under confidential cover. The Dean of the Faculty shall then direct the respective Department to discuss the report and provide reactions to the comments made.

1.5.12 Examination Irregularities

- (i) All cases of alleged examination irregularities, including 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 Faculty Board and Academic Committee as the case may be, which shall have the power to summon the students and members of staff of the University, as it deems necessary and make decisions, subject to confirmation by Senate.
- (ii) No unauthorized material shall be allowed into the examination room. Exchange of any material without permission from the invigilator or one student assisting another student will be an offence and shall lead to discontinuation from the studies. Unauthorized materials include papers, written notes (on paper or on any part of the body), books, cell phones or any other digital media, which can transmit information during examination or test. Students are not allowed to enter the examination rooms with cell phones or any digital instruments.

- (iii) Subject to confirmation by Senate, any candidate found guilty of bringing unauthorized material into the examination room in any part of the examination process shall be deemed to have committed an examination irregularity and shall be discontinued from studies at the University.
- (iv) Any candidate found guilty of cheating in relation to any part of the examination process shall be deemed to have committed an examination irregularity and to have failed in the whole of that examination for that year and shall be discontinued from studies at the University, subject to confirmation by Senate.
- (v) Any candidate found guilty of causing disturbance in or near any examination room shall be deemed to have committed an examination irregularity and to have failed in the whole of that examination for that year and shall be discontinued from studies at the University, subject to confirmation by Senate.
- (vi) Any candidate found guilty of committing an examination irregularity and is aggrieved by the decision may appeal to the Senate.
- (vii) In this regulation:
 - (a) "Unauthorized material" includes materials such as 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 DP-ARC, the Dean of a Faculty, Director of an Institute or Head of Department.
 - (b) "Unauthorized absence from examination" includes going out of the examination room, temporarily or staying out of the examination room for an unduly long period, without authorization or permission of the invigilator.
 - (c) "Cheating in examination" includes any form or kind of dishonesty or destruction or falsification of any evidence of irregularity.
- (viii) The Senate may impose such a lesser penalty on a candidate found guilty of commission of an examination irregularity, depending on the gravity of the facts or circumstances constituting the offence, as the Senate may deem appropriate.

1.5.13 Publication of Results

- (i) The provisional results of candidates in every examination, shall be published by the DP-ARC soon after the Academic meeting, but the results shall not be regarded as final until they are approved by Senate upon recommendation of the Academic Committee. Mode of communication of the results will be online.
- (ii) Examination results, having been recommended by the Faculty Board, the Academic Committee shall make recommendations on the results and submit them to Senate for approval.
- (iii) The Senate shall confirm the results of examinations for the Semesters at a time to be determined by Senate, which shall normally be at the end of the Second Semester of each audit year.

1.5.14 Progress from Year to Year

- (i) Candidates who are full time undergraduate students are required to have attained a minimum GPA of 1.8 before proceeding to the following year of study.
- (ii) A candidate who passes the examination with a C grade or higher will be declared to have passed the examination.
- (iii) A candidate who scores a GPA of 1.6 or higher, but fails in up to two course(s)/ modules at the end of a semester or audit year shall be required to supplement in the failed modules in the course(s).
- (iv) A candidate will be considered to have passed a course after passing all modules/rotations of the respective course.
- (v) A candidate who fails in three or more courses during Semesters one (1) to two (2) for four to six (4-6) semester programmes and one (1) to four (4) for eight to ten (8-10) semester programmes shall be discontinued from studies regardless of GPA. To pass a course a candidate has to pass all the modules in that course.
- (vi) A candidate who fails all courses shall be discontinued from the studies irrespective of the GPA.

- (vii) A Candidate 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.
- (viii) No candidate shall be allowed to repeat any year of study on academic grounds, except with special permission or approval of the Senate upon recommendation of the Faculty Board and Academic Committee as the case may be.
- (ix) To qualify for a degree award, the cumulative total minimum number of programme credits shall be the sum of the minimum number of course credits required per academic year for each degree programme that is: -
 - (a) Undergraduate degree MD programme shall have a minimum of 360 total credits.

1.5.15 Classification of Undergraduate Degree of SFUCHAS

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

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

- (ii) Approved courses given for each degree shall be appropriately weighted in terms of credits.
- (iii) To get the Score for each course, the grade points are multiplied by the number of credits of the course.
- (iv) The total score for the degree shall be the total score for all countable courses taken by the candidate for the degree.
- (v) The average score (GPA) shall be computed by dividing the total score by the total weight obtained.

1.5.16 Classification of Diplomas

- (i) No diploma of the University shall be classified except with the special permission of Senate and upon recommendations of the Board of the relevant Faculty or Institute.
- (ii) Where the Senate grants special permission for classification of a diploma, such modifications, variations and conditions shall be applied.

1.5.17 Award

- (i) The Board of Examiners in the Faculty, 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 Academic Committee that such degree, diploma or other award be conferred upon or granted to such successful candidate.
- (ii) The Senate may confer degrees and grant diplomas or other awards of the University to candidates who satisfy the relevant requirements and are recommended for such conferment or grant by the Board of Examiners in a School, College or Institute.

1.5.18 Post-humous awards

A posthumous 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, 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 Faculty or Institute Board as the case may be, and the Academic Committee.
- (iv) The Senate approves the award.
- (v) The academic transcript shall be marked "Degree conferred posthumously" and placed in the student's file and 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.

1.5.19 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 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 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 DP-ARC an application for a transcript; a clearance form and one coloured passport size photograph with a blue background (shirt orblouse 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.

1.5.20 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 DP-ARC may authorize in writing) may issue a 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 shall be charged for the copy of certificate issued.

1.5.21 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 except under special considerations.

- (ii) Any appeals made under regulation shall be lodged with the Board of the appellant's Faculty which shall forward the appeal with observations and recommendation will be forwarded to Senate for approval.
- (iii) Any appeals made shall be lodged directly with the DP-ARC who shall forward them to the Senate with observations and recommendations thereon.
- (iv) 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.
- (v) 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.

1.5.22 Appeal Fee

- (i) All appeals shall be accompanied by non-refundable appeal fee of ten thousand shillings (TZS 10,000).
- (ii) The same rates or any other rates as approved by relevant organs shall be charged for any further appeal decisions.

1.5.23 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 fifteen (15) months following final decision of Senate on the examination concerned. Examination results in electronic form shall be stored indefinitely in the Students' Academic Record Information System (SARIS).
- (ii) Heads of Departments concerned shall, with respect to examination answer books/scripts falling under their departments:

- (a) Create and maintain adequate records of actions and transactions affecting examination answer books/scripts to ensure that those records are properly maintained while waiting for any appeal or final disposal.
- (b) Initiate the disposal procedures of those examination answer books/scripts for which there is no further need.
- (c) 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.
- (d) Assist the University Library in selecting examination answer books/scripts designated for archiving purposes.
- (e) Designate a place or room as storage area for examination answer books/scripts awaiting appeals or final disposal.
- (f) Store and retain course assignments for at least fifteen (15) months after completion of an examination concerned so that students are furnished with reasonable opportunity to obtain access.
- (g) 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 Departments shall be responsible for returning to the students graded courses, assignments, course essays, semester papers and timed essays.
 - (b) 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 fifteen (15) months.

- (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.
- (v) The DP-ARC shall select and announce at the end of each academic year the best available practice in disposing of the examination answer books/scripts due for disposal, as a reminder to Departments.
- (vi) Used examination papers shall be entirely burnt to completion.
- (vii) Heads of Departments shall witness final disposal of itemized examination answer books/scripts.
- (viii) 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 DP-ARC through the 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.

1.6 INSTRUCTIONS TO CANDIDATES

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

- (i) Candidates should make sure that they have been issued with Examination Numbers before Examinations begin.
- (ii) Candidates must acquaint themselves with the seating arrangement for their respective examinations in advance.
- (iii) Candidates are advised to be at the examination Centre at least 15 minutes before the commencement of the examinations.
- (iv) Candidates will be admitted by the invigilator to the examination room 10 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 15 minutes in advance. During this time the Senior Invigilator will:

- (a) Make an announcement that all unauthorized materials should be removed from the examination room.
- (b) Make an announcement that candidates should satisfy themselves that they are in possession of the correct paper.
- (c) Call attention to any rubric at the head of the paper, which seems to require attention.
- (d) Announce that both sides of the paper must be used. He/she will then tell students when they may begin writing. Candidates will be given five minutes to read the paper.
- (v) Candidates are permitted to do rough work on the left-hand part of the scripts on the understanding that this is crossed through at the end of the examination.
- (vi) No books, bags, or attaché cases may be taken by candidates into the room.
- (vii) Once a student is found with unauthorized materials, he/she should sign on the materials to confirm they are his or hers.
- (viii) No candidate will be permitted to enter the examination room after the lapse of 30 minutes from the commencement of the examination and no candidate will be permitted to leave the examination room until 30 minutes have expired. No candidate shall be allowed to move out of the examination room during the last 10 minutes of the examination.
- (i) (ix)At the end of the examination period, and on instructions from the Invigilator, candidates must stop writing and assemble their scripts, which they should personally hand to the invigilator unless instructed otherwise. Candidates must remain seated till the Invigilator tells them to leave the room. Apart from the examination question papers, candidates are not allowed to take any examination material out of the examination room.
- (ix) Mobile phones, computers, word-processing electronics devices and anything of that nature are prohibited from the examination room.

1.7 NOTES TO INVIGILATORS

1.7.1 Procedure in the Examination Room

Before the Examination:

- (i) Invigilation of university examinations is one of the duties and responsibilities of all University Faculty. Every academic staff may therefore be assigned to invigilate an examination.
- (ii) Invigilators should be present in the examination room at least 20 minutes before the commencement of the examination.
- (iii) Invigilators will be provided with the following items by the Examinations Officer:
- (iv) The question papers to be attempted by candidates. Sealed envelopes containing question papers must be personally collected by each invigilator from the Examinations Officer at least 20 minutes before the examination. All invigilators who have reported to the Examinations Officer within this period should immediately go to their respective examination room.
- (v) A list showing the names of the papers to be attempted in the examination room. (This will be distributed to invigilators in advance).
- (vi) 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.
- (vii) 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.
- (viii) Bags, books, attaché cases, papers and other related items should be left outside the examination room.
- (ix) Invigilators should admit candidates to the examination room 10 minutes before the commencement of the examination and they should ensure that they take the right seats/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 15 minutes in advance). During these period the invigilator shall:

- (a) Make an announcement that unauthorized materials are not allowed in the examination room,
- (b) Make an announcement 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.
- (e) Invigilators should not admit candidates to the examination room after 30 minutes from the commencement of the examination and should not permit them to leave the room until 30 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 number of candidates present should be noted down. The Internal Examiner shall return surplus 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 these are 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 prescribed examination time shall hand over their scripts to the invigilator before leaving the examination room.
- (ii) No candidate shall leave the examination room during the last 10 minutes of the time allocated for the examination except in case of emergency. At the end of the examination period invigilators shall instruct the candidates to stop writing and then collect all the scripts.
- (iii) Invigilators shall enter the number of examination scripts collected from the candidate on the attendance sheet provided by the Examination Officer at the time of collecting the examination papers.
- (iv) Invigilators shall sign the said attendance sheet before they hand over all the scripts to the Internal Examiners who must bepresent 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. Upon 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 examination session.
- (v) Invigilators shall hand over all extra examination question papers to the Head of the relevant Department.

1.7.2 General Procedures during Examinations

(i) Internal Examiners are required to attend in the examination rooms at the commencement and end of each examination to assist the invigilators and to

- collect the scripts. Instructions, which the examiners may wish to provide, 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 DP-ARC.

1.8 BURSARIES AND FEES

At the beginning of the academic year, all students will be required to produce evidence of sponsorship by the Government or any other organizations, otherwise they will be expected to pay full tuition and University fees for the full first year, by the beginning of the term/semester before they can be permitted to use the University facilities. All local payments for fees should be by Bankers Cheque payable to the Bursar, SFUCHAS or wire transferred after obtaining a unique control number that will be generated during the registration process and all payments must be receipted. The tuition fees are indicated in Chapter four.

1.9 STUDENT ADMINISTRATION AT SFUCHAS

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

1.10 THE UNIVERSITY LIBRARY

The SFUCHAS Library provides services to academic staff and students. The University Library has a collection of health/medical resource. Its main function is to provide library and documentation services to support heath/medical services, research, teaching and consultancy at the University. The SFUCHAS Library has the following services: Technical Services (Catalog-uing and Classification); Reader services (Reference, Circulation, Information Desk and Special Reserve); Documentation; and ICT services.

The collection mainly comprises of books and periodicals in medicine and health. The Library has a collection of health and medical materials, including periodicals and research publications. It also provides electronic information resources, both off-line and on-line resources, such as CD-ROM, e-resources and Internet facilities that include electronic journals and health databases like HINARI. The areas covered in the collections include Medicine, Nursing, Pharmacy, Public Health, Basic Sciences, Social Sciences and Laboratory Sciences. The collection currently comprises about 3500 volumes of books and about 200 titles of periodicals.

The Library opening hours Non-vacation period

Monday - Friday: 8.00 am - 10.00 pm

Saturday & Public Holidays: 8.00 am – 1.00 pm

Sunday: Closed

1.11 UNIVERSITY COLLEGE ICT SERVICES

The University College provides 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 network infrastructure connecting some of the buildings thus providing high-speed data transmission (100Mbps). The communication gateway to the outside world is through a dedicated link currently operating at a bandwidth of 11Mbps (down/ up) upgradeable and beyond as the financial situation improves. The College ICT is equipped with two servers and two routers. The servers provide accounting system services, Students Information Management System Services. The College is currently outsourcing website and e-mail hosting services. The routers function to separate information traffic to different buildings and reduce data jams. Projectors are available for virtual teaching aid and the Computer Room is furnished with 30 computers. To ensure proper usage of ICT facilities and services, the ICT Policy is in place.



Students in computer room

CHAPTER TWO

FACULTY OF MEDICINE

2.1 INTRODUCTION

SFUCHAS has only one Faculty, the Faculty of Medicine which has eight departments

2.2 DEPARTMENTS

The Faculty of Medicine has eight Departments which are:

- (i) Department of Anatomy and Pathology
- (ii) Department of Biochemistry and Physiology
- (iii) Department of Microbiology and Parasitology
- (iv) Department of Public Health
- (v) Department of Internal Medicine and Clinical Pharmacology
- (vi) Department of Obstetrics and Gynecology
- (vii) Department of Surgery
- (viii) Department of Pediatrics and Child Health

2.3 UNDERGRADUATE PROGRAMMES

2.3.1 Doctor of Medicine (MD) Degree Programme

Doctor of Medicine is a 10 semester (five years) competency based programme, leading to the MD degree of SFUCHAS. The first four semesters are largely devoted to basic sciences and introduction to clinical medicine, but also fieldwork and community training. The remaining semesters are largely practical oriented and consist of junior and senior rotations in the teaching hospitals as well as community based field training on community health and research methodology. health training: The semesters are described below.

2.3.2 A TEN-SEMESTER CURRICULUM FOR THE DOCTOR OF MEDICINE (MD) COURSE

The MD programme is the most pivotal upon which hinges the Mission of the College in its quest to enable Tanzania to produce enough doctors and other health professionals to achieve a satisfactory level of "Universal Health coverage (UHC)" in the foreseeable future. Similar to other University Medical Colleges in

Tanzania and elsewhere has adopted Semester/Modular academic programme model.

The objective of the College, as regards the MD Course, is to train competent general duty Medical Professionals who after the appropriate period of internship can, without supervision, render adequate medical care both to the individual patients and to the community in differing situations.

The MD graduate, therefore, should be able to:

- (i) Administer the health services of a district, and train, organize and direct the health team of medical and paramedical personnel in a district, in a hospital and Health Centre.
- (ii) Conduct his/her activities so that they are relevant to the community by understanding the significant social, political, economic, psychological and ecological factors of the community.
- (iii) Identify and solve the major health problems of the community under his/her care, according to the national and community priorities by organizing and providing preventive and curative community health services.
- (iv) Organize and provide routine and emergency, preventive and curative medical care for the individual by:
 - (a) Knowing the normal structure, function, development and growth of the human body and personality.
 - (b) Recognizing disorders and abnormalities of structure, function, development and growth of the human body and personality.
 - (c) Examining patients both clinically and with the relevant investigative procedures.
 - (d) Evaluating the results of examinations and investigations and reaching an appropriate diagnosis.
 - (e) Administering to the patients the appropriate medical/pediatric/surgical/mental health/gynecological and obstetric care and treatment.

- (v) Training and directing the health team in all of the above as required:
 - (a) Accept the responsibility of continuing his/her professional education, in order to utilize advances in medical science and to benefit from further postgraduate training provided in Tanzania or elsewhere.
 - (b) Recognize the limit of his/her competence and refer such issues to higher levels.

2.4 STRUCTURE OF MODULES FOR THE SEMESTER SYSTEM

2.4.1 SUMMARY OF THE MODULES FOR THE SEMESTER SYSTEM

Semester 1 Ye	ar 1					T.		
Code	Course name	LH	TS	AH	IS	PH	TH	Credits
BM100	Basics of Clinical and	17	8	0	0	9	34	3.4
DIVITOO	Community Medicine	17	O	U	U	,	34	5.4
AN100	Anatomy	85	17	19	43	153	317	31.7
BC100	Biochemistry	85	34	28	38	51	236	23.6
EP100	Introduction to	17	9	4	4	0	34	3.4
LI 100	Professionalism and Ethics	17	,	4	7	U	34	3.4
Total		204	68	51	85	213	621	62.1
Semester 2 Ye	ar 1				_			
Code	Course name	LH	TS	AH	IS	PH	TH	Credits
NA100	Neuroanatomy	17	17	6	16	34	90	9.0
HS100	Health Sociology	34	17	4	5	0	60	6.0
HP100	Health Psychology	34	17	7	7	0	65	6.5
PH100	Medical Physiology	119	34	34	52	51	290	29.0
IC100	ICT and Communication	17	17	17	6	51	108	10.8
IC100	skills	17	17	17	0	31	100	10.6
Total			102	68	85	136	613	61.3
Semester 3 Ye	ar 2				_			
Code	Course name	LH	TS	AH	IS	PH	TH	Credits
MI200	Microbiology and	85	17	10	18	68	198	19.8
1011200	Immunology	65	17	10	10	00	190	19.0
PE200	Parasitology and Medical	51	17	10	7	34	119	11.9
1 E200	Entomology	51	17	10		34	117	11.7
BE200	Biostatistics and	85	34	34	18	34	205	20.5
DE200	Epidemiology	00	J 4	J4	10	J- 1	203	
DS200	Development Studies	34	17	14	25	0	90	9.0
Total		255	85	68	68	136	612	61.2
Semester 4 Ye	ar 2							
Code	Course name	LH	TS	AH	IS	PH	TH	Credits
CM200	Introduction to	17	17	2	2	32	70	7.0
CM200	Community Medicine	1/	1/	2		32	70	7.0
CP200	Clinical Pharmacology	102	34	17	11	34	198	19.8
PA200	Pathology	153	34	15	55	85	342	34.2
Total		272	85	34	68	151	610	61.0

Semester 5 Year 3										
Code	Course name	LH	TS	AH	IS	PH	TH	Credits		
EP300	Professionalism and Ethics	34	9	8	7	17	75	7.5		
MD300	Management of diseases	204	34	17	36	51	342	34.2		
DI300	Diagnostic Imaging	17	17	17	20	51	122	12.2		
LM300	Leadership and Management	17	8	9	5	34	70	7.0		
Total		272	68	51	68	153	609	60.9		
*Semester 6 Year 3	and Semester 7 Year 4									
Code	Course name	LH	TS	AH	IS	PH	TH	Credits		
GS400	General Surgery	20	50	20	45	180	315	32.5		
OG400	Obstetrics and Gynaecology	20	50	20	45	180	315	32.5		
PC400	Paediatrics and Child Health	20	50	20	45	180	315	32.5		
IM400	Internal Medicine	20	50	20	45	180	315	32.5		
Total		80	200	80	180	720	1260	126.0		
**Semester 8 Year	4 and Semester 9 Year 5						_			
Code	Course name	LH	TS	AH	IS	PH	TH	Credits		
RP500	Research Field Project	0	0	0	35	245	280	28.0		
CM500	Community Medicine	64	48	28	35	105	280	28.0		
PS500	Psychiatry	48	32	12	8	180	280	28.0		
SS500	Surgical Subspecialties	64	16	16	28	156	280	28.0		
MS500	Medical Sub-specialities and Emergency Medicine	64	32	16	12	156	280	28.0		
TOTAL		240	128	72	118	842	1400	140.0		
***Semester 10 Yes	ar 5									
Code	Course name	LH	TS	AH	IS	PH	TH	Credits		
GS500	Advanced General Surgery	4	20	8	12	96	140	14.0		
OG500	Advanced Obstetrics and Gynaecology	4	20	8	12	96	140	14.0		
PC500	Advanced Paediatrics and Child Health	4	20	8	12	96	140	14.0		
IM500	Advanced Internal Medicine	4	20	8	12	96	140	14.0		
EN500	Entrepreneurship	17	6	2	5	5	35	3.5		
Total		33	86	34	52	389	595	59.5		
		LH	TS	AH	IS	PH	TH	Credits		
Grand Total		157 7	822	457	724	2740	6320	632.0		

KEY: LH-Lecture hours, TS-Tutorial/Seminar hours, AH-Assignment hours, IS- Independent studies, PH-Practical hours, TH- Total hours

NB: A semester has 20 weeks with 17 effective teaching weeks: A week has 35 contact hours

^{*}Students will be rotating for 10 weeks in each of the four departments.

^{**}Students will be rotating 8 weeks in each department.

^{***}Students will be rotating 4 weeks in each department.

2.5 COURSES DESCRIPTION

SEMESTER 1

2.5.1 BASICS OF CLINICAL and COMMUNITY MEDICINE (BM100)

- 2.5.1.1 Course title: Basics of Clinical and Community Medicine
- 2.5.1.2 **Course aim:** To give learners knowledge on hospital organization and health workers' team. They will also be exposed to social cultural attributes of the community health.

2.5.1.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Recognize the structure and function of different hospital units
- 2. Recognize principles of universal protection of infections and injuries
- 3. Explain socio cultural and economics attributes of communities in health
- 4. Recognize appropriate community entry procedures, mobilization and engagement when dealing with health issues

2.5.1.4 Course status: CORE2.5.1.5 Course credits: 3.42.5.1.6 Total hours spent: 34

2.5.1.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
BM101	The structure and function of different hospital units	2	2	0	0	2	6	0.6
BM102	Principles of universal protection of infections and injuries	5	2	0	0	3	10	1.0
BM103	Socio cultural and economics attributes of communities in health	6	3	0	0	2	11	1.1
BM104	Appropriate community entry procedures, mobilization and engagement	4	1	0	0	2	7	0.7
Total		17	8	0	0	9	34	3.4

2.6 ANATOMY (AN100)

2.6.1 Course title: Anatomy

2.6.2 **Course aim:** To impart basic knowledge, skills and professional attitude to learners in regard to structure of the human body in health and be able to relate the structure of a healthy body to the disease's mechanisms, symptoms, syndromes and management strategies.

2.6.3 Course expected learning outcomes:

At the end of the course, learners will be able to: -

- 1. Describe the gross anatomy of human body (definition of the gross anatomy)
- 2. Explain medical terminologies of anatomical importance
- 3. Recognize the different types of cells, tissues, organs and systems of the human body
- 4. Explain the processes involved in the development of human body and congenital malformations
- 5. Integrate the knowledge of applied anatomy in clinical conditions to humans

2.6.4 Course status: CORE2.6.5 Course credits: 31.72.6.6 Total hours spent: 317

2.6.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
AN101	Organization of the human body and cell biology	8	2	2	4	6	22	2.2
AN102	Upper limb, thorax, head and neck	22	4	4	11	45	86	8.6
AN103	Lower limb, abdomen and Pelvis	20	4	5	11	45	85	8.6
AN104	General and Systemic Histology	20	4	4	8	45	81	8.1
AN105	Developmental Biology	15	3	4	9	12	43	4.3
Total		85	17	19	43	153	317	31.7

2.7 BIOCHEMISTRY (BC100)

2.7.1 Course title: Biochemistry

2.7.2 **Course aim:** To provide to learners with the foundation in the chemistry of life necessary for the understanding the biochemical basis of diseases, which is key into their future, careers.

2.7.3 Course expected learning outcomes:

At the end of the course, learners will be able to: -

1. Describe the structure and function of the biomolecules.

- 2. Discuss the metabolism of nutrients and associated disorders
- 3. Demonstrate the role of vitamins, and application of enzymes in biological catalysis and drug actions.
- 4. Discuss the principles of genetics, and the role of molecular biology and techniques in health and disease, including cancer.
- 5. Describe different types of chromosomal abnormalities.
- 6. Comprehend basic concepts in molecular biology
- 7. Integrate knowledge of molecular biology, hormonal signal transduction and entire metabolism
- 8. Apply molecular biology techniques for diagnosis and prognosis of diseases

2.7.4 Course status: CORE2.7.5 Course credits: 23.62.7.6 Total hours spent: 236

2.7.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
BC101	Chemistry of biomolecules	15	6	6	4	9	40	4.0
BC102	Enzymology, co-enzymes and energy transformation	15	6	6	6	9	42	4.2
BC103	Metabolism of carbohydrates, lipids, proteins, haem and nucleic acids	35	14	14	14	21	98	9.8
BC104	Molecular biology	20	8	8	8	12	56	5.6
Total		85	34	34	32	51	236	23.6

2.8 INTRODUCTION TO PROFESSIONALISM and ETHICS (EP100)

- **2.8.1** Course title: Introduction to Professionalism and Ethics
- 2.8.2 **Course aim**: To introduce the learner basics of professionalism and ethics
- 2.8.3 Course expected learning outcomes

- 1. Describe the ethical principles and values which govern medical practice and research
- 2. Describe the principles of professionalism in medical practice and research
- 2.8.4 Course status: Core
- 2.8.5 Course credits: 3.4
- 2.8.6 Total hours spent: 34

2.8.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
EP101	Introduction	4	0	1	1	0	6	0.6
EP102	Conscience as a foundation of ethical conduct	4	3	1	1	0	9	0.9
EP103	Medical professionalism	5	3	1	1	0	10	1.0
EP104	Confidentiality and good health professional practice	4	3	1	1	0	9	0.9
Total		17	9	4	4	0	34	3.4

SEMESTER 2

2.9 NEUROANATOMY (NA100)

- 2.9.1 **Course title:** Neuroanatomy
- 2.9.2 **Course aims:** To impart basic knowledge, skills and professional attitude to learners in regard to structure of the nerve system and be able to relate the structure of a healthy nerve system to the disease's mechanisms, symptoms, syndromes and management strategies.

2.9.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Describe the gross anatomy of brain, spinal cord, and peripheral nerves
- 2. Recognize types of nerves, and regions of spinal cord and brain of the human body
- 3. Explain the processes involved in the development of nerve system and its congenital malformations
- 4. Integrate the knowledge of applied neuroanatomy in clinical conditions
- 2.9.4 Course status: CORE
- 2.9.5 Course credits: 9.0
- **2.9.6** Total hours spent: 90

2.9.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
NA101	Brain and spinal cord	8	8	2	8	23	49	4.9
NA102	Histology of nerve system	4	4	2	4	6	20	2.0
NA103	Development of nerve system	5	5	2	4	5	21	2.1
Total		17	17	6	16	34	90	9.0

2.10 HEALTH SOCIOLOGY (HS100)

2.10.1 Course title: Health Sociology

2.10.2 **Course aim:** To enable learners understand the nature of health and illness from sociological perspective with focus on the social factors that impact human health and illness. The course addresses the socio-cultural dimensions of diseases, health and health care.

2.10.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Describe basic concepts in sociology as applied to health and illnesses
- 2. Recognize social, cultural and economic factors that influence ill health and health behaviours
- 3. Apply knowledge of theories and models of behaviour acquisition and change
- 4. Describe the effects of social, cultural and economic factors in health
- 5. Identify groups with different behaviours and or background, social stigma and their impact on health and illness
- 6. Differentiate between alternative Medicine and Medical model of health and illness
- 7. Examine health risk and health promoting behaviour in sociocultural context
- 8. Demonstrates the ability a to consistently carry out one's duties with honesty, personal integrity, self-motivation and self-discipline
- 2.10.4 Module status: CORE
- 2.10.5 Course credits: 6.0
- 2.10.6 Total hours spent: 60

2.10.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
HS101	Introduction	8	4	1	1	0	14	1.4
HS102	Socio-cultural and economic foundations of health	10	5	1	2	0	18	1.8
HS103	Health Seeking Behaviour and Utilization of Health services	8	4	1	1	0	14	1.4
HS104	Sociology as applied to medicine	8	4	1	1	0	14	1.4
Total		34	17	4	5	0	60	6.0

2.11 MEDICAL PHYSIOLOGY (PH100)

2.11.1 Course title: Medical Physiology

2.11.1.1Course aim: To impart learners with knowledge on normal functioning of the human body and how the various normal functions are controlled and regulated. Learners will also gain knowledge, skills, attitude and competencies on relating physiological changes which occur during various disease processes and patients' symptoms and signs and therefore enabling them to make accurate diagnosis and understanding principles of managing various diseases.

2.11.1.2Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Describe organization of the body into physiological systems
- 2. Describe the normal and abnormal functioning of various organ systems
- 3. Perform basic procedures and laboratory tests related to body physiological systems
- 4. Interpret relevant/basic procedures and laboratory tests related to the body physiological systems

2.11.1.3 Course status: CORE2.11.1.4 Course credits: 29.02.11.1.5**Total** hours spent: 290

2.11.1.6Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
PH101	Body fluids and blood	24	7	7	10	15	63	6.3
PH102	Excitable tissues	8	4	4	10	6	32	3.2
PH103	Cardiovascular systems	20	7	7	10	10	54	5.4
PH104	Metabolism and excretory system	32	8	8	10	10	68	6.8
PH105	Neuroendocrine system	35	8	8	12	10	73	7.3
Total		119	34	34	52	51	290	29.0

2.12 ICT and COMMUNICATION SKILLS (IC100)

2.12.1 Course title: ICT and Communication skills

2.12.2 **Course aim:** To equip learners with communication and computer skills, to enable them to search scholarly materials, prepare documents, data base and presentations. In addition, the course aims to improve learners' ability in communication skills in writing and speaking.

2.12.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Identify communication types and strategies for personal and professional purposes
- 2. Set personal language learning and communication goals
- 3. Utilize language learning tools and strategies
- 4. Apply appropriate grammatical structure and vocabularies when using each of the four language skills
- 5. Apply knowledge and tools to cite and reference sources accurately
- 6. Identify types of plagiarism and how to avoid it
- 7. Apply literature and information search strategies, citing and referencing
- 8. Demonstrate computer application skills
- 2.12.4 Course status: CORE2.12.5 Course credits: 10.82.12.6 Total hours spent: 108

2.12.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
IC101	Communication Skills	10	10	8	3	9	40	4.0
IC102	Information and Communication Technology	7	7	9	3	42	68	6.8
Total		17	17	17	6	51	108	10.8

SEMESTER 3

2.13 MICROBIOLOGY and IMMUNOLOGY (MI200)

- **2.13.1 Course title:** Microbiology and Immunology
- **2.13.2 Course aim:** To equip learners with comprehensive theoretical and basic practical skills of medical microbiology including the spread of microorganisms, disease causation, diagnosis and/or treatment of pathogens of major significance to public health and advanced practical training in this diverse field. The course will also cover various components of the immune system, specific and non-specific immune responses, immune prophylaxis as well as immunological disorders.

2.13.3 Course expected learning outcomes

- 1. Describe properties of microorganisms and their role in health and disease causation
- 2. Describe zoonoses, emerging and re-emerging microbial diseases
- 3. Discuss the role of quality assurance in clinical laboratory
- 4. Describe the function of cells and tissues of immune system and their disorders
- 5. Demonstrate knowledge of the principles and skills of laboratory diagnosis of infectious microbial disease

- 6. Perform basic laboratory tests and procedures for the identification of important microbial disease agents and immunological disorders
- 7. Interpret basic microbiological and immunological laboratory results
- 8. Describe general aspects of infectious diseases control and preventive measures
- 2.13.4 Course status: CORE2.13.5 Course credits: 19.82.13.6 Total hours spent: 198

2.13.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
MI201	General Microbiology	10	3	2	3	15	33	3.3
MI202	Medical Bacteriology and Mycology	35	4	2	5	25	71	7.1
MI203	Virology	20	4	2	4	12	42	4.2
MI204	Immunology	15	4	2	3	10	34	3.4
MI205	Applied microbiology	5	2	2	3	6	18	1.8
Total		85	17	10	18	68	198	19.8

2.14 PARASITOLOGY and MEDICAL ENTOMOLOGY (PE200)

- **2.14.1 Course title:** Parasitology and Medical Entomology
- 2.14.2 **Course aim:** To equip learners with knowledge, competencies and skills concerning parasites, and vectors that afflict humans, the diseases they cause and the various methods for their control and prevention.

2.14.3 Course expected learning outcomes

- i. Describe the life cycle of parasites, vectors and vermin of current medical importance
- ii. Describe the pathogenesis, symptomatology, host immune responses and treatment of parasitic infections
- iii. Describe the epidemiology of parasitic disease of public health importance
- iv. Identify essential laboratory procedures used in diagnosing parasitic diseases
- v. Interpret laboratory investigation results so as to guide rational therapy
- vi. Describe methods used in control of parasites, vectors and vermin
- 2.14.4 Course status: CORE2.14.5 Course credits: 11.92.14.6 Total hours spent: 119

2.14.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
PE201	Introduction to Medical Parasitology	4	2	0	1	0	7	0.7
PE202	Medical Protozoology	19	6	5	2	15	47	4.7
PE203	Medical Helminthology	18	5	4	2	13	42	4.2
PE204	Medical Entomology	10	4	1	2	6	23	2.3
Total		51	17	10	7	34	119	11.9

2.15 BIOSTATISTICS and and EPIDEMIOLOGY (BE200)

- **2.15.1 Course title:** Biostatistics and Epidemiology
- 2.15.2 **Course aim:** To equip learners with the basic knowledge of biostatistics and principles of epidemiology and research methodology

2.15.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Demonstrate the importance of statistical methods in health and their applicability
- 2. Apply concepts of descriptive statistics, estimation, significance test, correlation and regression
- 3. Apply the principles of epidemiology and biostatistics including use of statistical packages in health research
- 4. Describe sources of demographic data and measures of fertility, morbidity and mortality and their use in assessing the health status of the population
- 5. Describe the basic principles for developing a research proposal
- 6. Distinguish the qualities of different epidemiological study designs, errors and biases (validity)
- 7. Apply measures of disease frequency and measure of association in health research
- 2.15.4 Course status: CORE
- 2.15.5 Course credits: 20.5
- 2.15.6 Total hours spent: 205

2.15.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
BE201	Biostatistics and Demography	30	14	14	8	14	80	8.0
BE202	Principles of Epidemiology	30	10	10	5	10	65	6.5
BE203	Methods of Epidemiology	25	10	10	5	10	60	6.0
Total		85	34	34	18	34	205	20.5

2.16 DEVELOPMENT STUDIES (DS200)

- 2.16.1 **Course title:** Development studies
- 2.16.2 **Course aim:** To equip learners with ability to apply theories and critical issues in development in appraising and determining appropriate health interventions.

2.16.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- i. Analyse health care delivery systems in the context of current development paradigms
- ii. Differentiate between the socio-determinants model (DEVI MODEL) and bio-medical model of disease causation
- iii. Analyse health policies in the context of current development trends
- iv. Appraise globalization focusing on its implication on health
- v. Analyse health implication of violation of human rights
- vi. Examine the process of industrialization with a focus on its consequences to health
- vii. Appraise the interface between population dynamics and health
- viii. Describe gender inequality and health implications
- 2.16.4 Course status: CORE
- 2.16.5 Course credits: 9.0
- 2.16.6 Total hours spent: 90

2.16.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
DS201	Health care in the context of development paradigms	5	2	2	3	0	12	1.2
DS202	Socio-determinants model (DEVI MODEL) and biomedical model of disease causation	5	3	2	3	0	13	1.3
DS203	Health policies in the context of current development trends	4	2	2	4	0	12	1.2
DS204	Globalization focusing on its implication on health	4	2	2	3	0	11	1.1
DS205	Health implications of violation of human rights	4	2	2	3	0	11	1.1
DS206	Industrialization with a focus on its consequences to health	4	2	1	3	0	10	1.0
DS207	Population dynamics and health	4	2	1	3	0	10	1.0
DS208	Gender inequality and health implications	4	2	2	3	0	11	1.1
Total		34	17	14	25	0	90	9.0

SEMESTER 4

2.17 INTRODUCTION TO COMMUNITY MEDICINE (CM200)

2.17.1 Course title: Introduction to Community Medicine

2.17.2 **Course aim:** To equip learners with knowledge, skills and attitude that will empower them to assess determinants of health related to the environment and occupation. The course also aims to enable learners to apply knowledge skills and competencies in addressing nutrition, malnutrition, stunting, food security issues in individuals and communities.

2.17.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Apply appropriate community entry procedures, mobilization and engagement
- 2. Explain the role of communities in Tanzania health system
- 3. Recognize the vertical health programmes in Tanzania
- 4. Recognize the health needs of marginalised and minority population in the community
- 5. Recognize nutrition and lifestyle related disorders
- 2.17.4 Course status: CORE2.17.5 Course credits: 7.02.17.6 Total hours spent: 70

2.17.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
CM201	Role of communities in Tanzania health	5	5	0	0	0	10	1.0
C1V1201	system	O	J	O	O	Ü	10	1.0
CM202	Vertical health programmes in Tanzania	5	5	0	0	0	10	1.0
CM203	Nutrition and lifestyle related disorders	6	6	0	1	0	13	1.3
CM204	Nutrition Fieldwork	1	1	2	1	32	37	3.7
Total		17	17	2	4	32	70	7.0

2.18 CLINICAL PHARMACOLOGY (CP200)

2.18.1 Course title: Clinical Pharmacology

2.18.2 **Course aim:** To equip learners with knowledge; skills and the right attitude that will enable them use therapeutic drugs on patients: safely, effectively and cost-effectively.

2.18.3 Course expected learning outcomes

- 1. Describe the fundamental principles of pharmacodynamics and pharmacokinetics
- 2. Explain the factors contributing to individual variations in drug responses and toxicity
- 3. Describe different drug interactions and theirs effects

- 4. Recognize the changes in drug pharmacokinetics and pharmacodynamics in different groups and conditions
- 5. Describe the specific pharmacology of major classes of drugs, clinical use, mechanisms of actions, side effects, interactions
- 6. Recognize the phases of drug development and pharmacovigilance
- 7. Demonstrate the drug prescription writing, drug administration, and drug delivery systems
- 8. Recognize rational prescription in accordance with guidelines, policies and the law.
- 2.18.4 Course status: CORE2.18.5 Course credits: 19.82.18.6 Total hours spent: 198

2.18.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
	Fundamental principles of	10	4	2	2	8	26	2.6
CP201	pharmacodynamics and							
	pharmacokinetics							
CD202	Pharmacology of major	66	18	9	4	14	113	11.3
CP202	classes of drugs							
CP203	Drug discovery and	8	4	2	2	3	19	1.9
CF 203	development							
CP204	Rational drug prescribing and	12	4	2	1	3	22	2.2
Cr 204	use	12	4		1	3	22	۷.۷
CP205	Applied pharmacology	6	4	2	2	6	20	2.0
Total		102	34	17	11	34	198	19.8

2.19 PATHOLOGY (PA200)

2.19.1 Course title: Pathology

2.19.2 **Course aim:** To impart learners with knowledge, skills and attitude to enable them to explain disease processes, determine clinical-pathological correlations, correctly evaluate scientific and clinical laboratory data for quality improvement.

2.19.3 Course expected learning outcomes

- 1. Describe the aetiology and pathogenesis of infectious and non-infectious disease
- 2. Identify changes indicative of injury at microscopic and macroscopic levels in various disease
- 3. Select appropriate laboratory test to solve clinical problems
- 4. Interpret the biochemical changes in disease
- 5. Illustrate relevant procedures in taking and handling of pathological specimens
- 6. Collect and handle appropriately specimen for investigations of various disease to guide management

7. Describe the principles of performing autopsy

2.19.4 Course status: CORE2.19.5 Course credits: 34.22.19.6 Total hours spent: 342

2.19.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
PA201	Principles of General Pathology	30	7	2	12	10	61	6.1
PA202	Fluid and Haemodynamic Derangement	10	4	1	8	9	32	3.2
PA203	Cardiopulmonary, GIT and Genitourinary Pathology	40	7	4	10	22	83	8.3
PA204	Endocrine and Neuromuscular Pathology	40	7	4	10	22	83	8.3
PA205	HIV/AIDS Pathology	13	5	2	9	10	39	3.9
PA206	Forensic Pathology	20	4	2	6	11	43	4.3
Total		153	34	15	55	85	342	34.2

SEMESTER 5

2.20 PATHOLOGY (PA200)

2.20.1 Course title: Pathology

2.20.2 **Course aim:** To impart learners with knowledge, skills and attitude to enable them to explain disease processes, determine clinical-pathological correlations, correctly evaluate scientific and clinical laboratory data for quality improvement.

2.20.3 Course expected learning outcomes

At the end of the course, learners will be able to:-

- 1. Describe the etiology and pathogenesis of infectious and non-infectious disease
- 2. Identify changes indicative of injury at microscopic and macroscopic levels in various disease
- 3. Select appropriate laboratory test to solve clinical problems
- 4. Interpret the biochemical changes in disease
- 5. Illustrate relevant procedures in taking and handling of pathological specimens
- 6. Collect and handle appropriately specimen for investigations of various disease to guide management
- 7. Describe the principles of performing autopsy
- 2.20.4 Course status: CORE2.20.5 Course credits: 34.22.20.6 Total hours spent: 342

2.20.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
PA201	Principles of General Pathology	30	7	2	12	10	61	6.1
PA202	Fluid and Haemodynamic Derangement	10	4	1	8	9	32	3.2
PA203	Cardiopulmonary, GIT and GenitourinaryPathology	40	7	4	10	22	83	8.3
PA204	Endocrine and Neuromuscular Pathology	40	7	4	10	22	83	8.3
PA205	HIV/AIDS Pathology	13	5	2	9	10	39	3.9
PA206	Forensic Pathology	20	4	2	6	11	43	4.3
Total		153	34	15	55	85	342	34.2

2.21 MANAGEMENT OF DISEASES (MD300)

- **2.22.1** Course title: Management of Disease
- **2.22.2** Course aim: To prepare learners for clinical rotations. Learners will study causes and management of common diseases.

2.22.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Describe the principles of history taking and physical examination
- 2. Describe the scientific basis of diagnosis and management of clinical conditions
- 3. Describe infection prevention and control measures
- 2.22.4 Course status: CORE2.22.5 Course credits: 34.02.22.6 Total hours spent: 340

2.22.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
MD301	Internal Medicine	44	7	3	8	10	72	7.2
MD302	Paediatrics and Child Health	44	7	4	8	10	73	7.3
MD303	Obstetrics and Gynaecology	38	7	4	6	13	68	6.8
MD304	General Surgery	48	7	2	10	12	79	7.9
MD305	Psychiatry	30	6	4	4	6	50	5.0
Total		204	34	17	36	51	342	34.2

2.23 DIAGNOSTIC IMAGING (DI300)

2.23.1 Course title: Diagnostic Imaging

2.23.2 Course aim: To provide to the learners' appropriate knowledge and skills in imaging sciences so as to enable them to utilize various imaging modalities for purposes of diagnosing various diseases.

2.23.3 Course expected learning outcomes

- 1. Demonstrate knowledge of science of radiology and imaging for purposes of diagnosing different disease conditions.
- 2. Recommend proper utilization of a suitable imaging modality for a specific disease condition.
- 3. Explain the radiological basis of imaging signs seen in the images.
- 4. Correlate the imaging signs seen with pathological process and clinical presentation of the patients.
- 5. Analyze imaging findings in a logical way in order to reach appropriate diagnosis.
- 6. Summarize the imaging findings properly.
- 7. Communicate properly the imaging findings to colleagues

2.23.4 Course status: CORE2.23.5 Course credits: 12.22.23.6 Total hours spent: 122

2.23.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
DI301	Introduction to Diagnostic Imaging	2	2	1	2	3	10	1.0
DI302	Chest and Respiratory System Imaging	3	3	4	2	12	24	2.4
DI303	Cardiovascular System Imaging	3	3	3	3	8	20	2.0
DI304	Nervous System	2	2	2	4	8	18	1.8
DI305	Abdomen and Gastrointestinal Tract	3	3	3	3	8	20	2.0
DI306	Genitaourinary Tract	2	2	2	3	6	15	1.5
DI307	Musculoskeletal System	2	2	2	3	6	15	1.5
Total		17	17	17	20	51	122	12.2

2.24 LEADERSHIP AND MANAGEMENT (LM300)

2.24.1 Course title: Leadership and Management

2.24.2 Course aim: To equip learners with basic knowledge and skills on leadership and management.

2.24.3 Course expected learning outcomes:

At the end of the course, learners should be to

- 1. Describe the basic principles of leadership and management
- 2. Describe the Tanzanian health systems organization, governance and financing
- 3. Appraise leadership and management skills in health care
- 4. Appraise the planning process and resource allocation in the health sector and its implications towards universal health coverage
- 5. Describe the principles of human resources management in health care

2.24.4 Course status: CORE

2.24.5 Credits: 7.0

2.24.6 Total hours: 70

2.24.8

Code	MODULE NAME	LH	TS	AH	IS	PH	TH	Credits
LM301	Principles of Management and Leadership	5	2	2	0	4	13	1.3
LM302	Health System Governance	4	2	2	1	6	15	1.5
LM303	Human Resource for Health Management	4	2	3	1	4	14	1.4
LM304	Health planning and Resource Mobilization	4	2	2	0	6	14	1.4
LM305	Financial Management	6	2	2	0	4	14	1.4
TOTAL		17	23	10	11	2	24	70

2.25 GENERAL SURGERY (GS400)

2.25.1 Course title: General Surgery

2.25.2 Course aim: The aim of the course is to introduce the learner to the discipline of surgery and the basics of the management of common surgical conditions. The learner will have a sound knowledge and basic skills to enable him/her to comfortably undertake clerkship in surgery. The learner will be able to recognize and diagnose simple surgical conditions and their management. The learner will also learn the basics of preventive measures for surgical conditions where applicable.

2.25.3 Course expected learning outcomes

- 1. Demonstrate proper history taking and physical examination skills and formulate diagnoses relevant to the patient's condition
- 2. Request relevant laboratory and radiological tests with consideration to particular patient condition
- 3. Perform basic surgical nursing procedures
- 4. Suggest proper surgical and non-surgical management for the diagnosed disease condition.
- 5. Assist prescribed numbers of surgical procedures
- 6. Show good working conduct to patients and colleagues
- 7. Demonstrate respect, empathy and compassion regardless of beliefs and cultural differences
- 8. Demonstrate ability to give, receive and incorporate constructive feedback

2.25.4 Course status: CORE2.25.5 Course credits: 31.52.25.6 Total hours spent: 315

2.25.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
GS401	Surgical conditions	10	25	10	20	80	145	14.5
GS402	Orthopaedics and trauma	6	16	5	15	60	102	10.2
GS403	Urology	4	9	5	10	40	68	6.8
Total		20	50	20	45	180	315	31.5

2.26 OBSTETRICS and GYNAECOLOGY (OG400)

2.26.1 Course title: Obstetrics and Gynaecology

2.26.2 Course aim: To impart knowledge and basic clinical skills that will enable the learner to understand and demonstrate basic principles of management of common gynaecological and obstetric conditions.

2.26.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Demonstrate proper history taking and physical examination skills
- 2. Formulate diagnoses relevant to the patient's condition
- 3. Request relevant laboratory and imaging tests with consideration to particular patients
- 4. Demonstrate proper nursing and midwifery skills
- 5. Show good working conduct to patients and colleagues
- 6. Demonstrate respect, empathy and compassion regardless of beliefs and cultural differences
- 7. Demonstrate ability to give, receive and incorporate constructive feedback

2.26.4 Course status: CORE2.26.5 Course credits: 31.52.26.6 Total hours spent: 315

2.26.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
OG401	Obstetrics	8	20	8	15	90	141	14.1
OG402	Gynaecological conditions	8	20	8	15	70	121	12.1
OG403	Social-cultural aspect of Reproductive Health	4	10	4	15	20	53	5.3
Total		20	50	20	45	180	315	31.5

2.27 PAEDIATRICS AND CHILD HEALTH (PC400)

2.27.1 Course title: Paediatrics and Child Health

2.27.2 Course aim: To impart knowledge on scientific basis and clinical skills that would enable candidates upon completion of the module to have attitude, basic knowledge and skills for preventing and managing major childhood illnesses in an effective and integrated manner, that would help learners to build a base to provide quality paediatric and child health care.

2.27.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Recognize principles of growth and development monitoring
- 2. Demonstrate proper history taking and physical examination skills
- 3. Formulate diagnoses relevant to the patient's condition
- 4. Request relevant laboratory and imaging tests with consideration to particular patients
- 5. Demonstrate skills in management of basic childhood conditions.
- 6. Show good working conduct to patients and colleagues
- 7. Demonstrate respect, empathy and compassion regardless of beliefs and cultural differences
- 8. Demonstrate ability to give, receive and incorporate constructive feedback
- 2.27.4 Course status: CORE2.27.5 Course credits: 31.52.27.6 Total hours spent: 315

2.27.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
PC401	IMCI strategy and Paediatric Emergencies	3	7	3	6	24	43	4.3
PC402	Perinatology and neonatal medicine	4	10	4	10	40	68	6.8
PC403	Common disorders of various organ systems	3	7	3	6	24	43	4.3
PC404	Major Paediatric infections and infestations	3	8	3	7	28	49	4.9
PC405	Nutrition, Growth and Development	4	10	4	9	36	63	6.3
PC406	Haematological Disorders and Paediatric Oncology	3	8	3	7	28	49	4.9
Total		20	50	20	45	180	315	31.5

2.28 IM400: INTERNAL MEDICINE

2.28.1 Course title: Internal Medicine

2.28.2 Course aim: The aim of this course is to promote the acquisition of professional knowledge, basic clinical skills like history taking, physical examination and

investigations that would enable candidates upon completion of the course to formulate diagnosis and manage common medical conditions.

2.28.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Demonstrate proper history taking and physical examination skills
- 2. Formulate diagnoses relevant to the patient's condition
- 3. Request relevant laboratory and imaging tests with consideration to particular patients
- 4. Perform basic bedside procedures
- 5. Show good working conduct to patients and colleagues
- 6. Demonstrate respect, empathy and compassion regardless of beliefs and cultural differences
- 7. Demonstrate ability to give, receive and incorporate constructive feedback
- 2.28.4 Course status: CORE2.28.5 Course credits: 31.52.28.6 Total hours spent: 315

2.28.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
IM401	Infectious Diseases	4	10	4	9	36	63	6.3
IM402	Endocrine Diseases, allergic and Haemato-oncology	4	10	4	9	36	63	6.3
IM403	Gastroenterology, Nephrology and Electrolyte Abnormalities	4	10	4	9	36	63	6.3
IM404	Neurological and rheumatologic conditions	4	8	4	9	36	61	6.1
IM405	Cardiovascular and pulmonary diseases	4	12	4	9	36	65	6.5
Total	<u> </u>	20	50	20	45	180	315	31.5

YEAR 4, SEMESTER 8 and YEAR 5, SEMESTER 9

2.29 RESEARCH FIELD PROJECT (RP500)

2.29.1 Course title: Research Field Project

2.29.2 Course aim: This course aims to inculcate and consolidate the learners skills acquired in all disciplines to identify research problems, clearly defining researchable problem, deciding on the feasibility of research, choose appropriate research design to answer the research questions, conduct the research, resource mobilization and resource management, analyze data, disseminate results and adopt evidence based practice and decision making.

2.29.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Develop a research proposal
- 2. Execute a research plan
- 3. Analyse the data using appropriate methods
- 4. Interpret the data
- 5. Prepare and present a research report
- 2.29.4 Course status: CORE2.29.5 Course credits: 28.0
- **2.29.6** Total hours spent: 280

2.29.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
RP 401	Research proposal preparations	0	0	0	18	45	63	6.3
RP 402	Data collection	0	0	0	2	140	142	14.2
RP 403	Data analysis, report writing and dissemination	0	0	0	15	60	75	7.5
Total		0	0	0	35	245	280	28.0

2.30 COMMUNITY MEDICINE (CM500)

- **2.30.1 Course title:** Community Medicine
- 2.30.2 Course aim: Learners will be equipped with the necessary knowledge and skills for making community diagnosis on common problem affecting the community and appropriate interventions to solve them. With a focus to the rural areas, the module provides learners with knowledge on national health intervention Programmes as well as required operations research for evidence-based decision making

2.30.3 Course expected learning outcomes

- 1. Appraise the structure, organization and management of national health system.
- 2. Analyse Tanzanian health care delivery system in achieving universal health coverage

- 3. Appraise the vertical health programmes in Tanzania
- 4. Illustrate the impact of environment on community health
- Describe health promotion and its importance in promoting health lives towards SDGs
- 6. Apply health promotion principles in addressing community health needs
- 7. Demonstrate respect, empathy and compassion towards, peers, teachers, clients and communities

2.30.4 Course status: CORE2.30.5 Course credits: 28.02.30.6 Total hours spent: 280

2.30.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
CM501	Health system structure	16	12	7	9	35	89	8.9
CM502	National health programmes	16	12	7	9	20	74	7.4
CM503	Environmental and occupational health	16	12	7	8	35	88	8.8
CM504	Health promotion and disease prevention	16	12	7	9	15	69	6.9
Total		64	48	28	35	105	280	28.0

2.31 PSYCHIATRY (PS500)

- 2.31.1 Course title: Psychiatry
- **2.31.2 1.26.2. Course aim:** To impart learner's clinical knowledge, attitudes and skills in symptoms and signs of psychiatric disorders. The learners will learn about preventive strategies of mental disorders as well as rehabilitation services in a well integrated manner.

2.31.3 1.26.3. Course expected learning outcomes

- 1. Interpret relevant laboratory and imaging tests with consideration to particular patients
- 2. Apply principles of management in psychiatric and mental health disorders
- 3. Demonstrate good working conduct to patients and colleagues
- 4. Demonstrate ability to handle life threatening conditions
- 5. Recognize complex conditions that require intra/inter departmental consultations
- 6. Apply concepts of prevention and promotion in psychiatry and mental health
- **2.31.4** Course status: CORE
- **2.31.5** Course credits: 28.0
- **2.31.6** Total hours spent: 280

2.31.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
PS501	Common psychiatric syndromes	30	18	8	4	100	160	16.0
PS502	Community mental health	18	14	4	4	80	120	12.0
Total		48	32	12	8	180	280	28.0

2.32 SURGICAL SUB-SPECIALITIES

2.32.1 Course title: Surgical Sub-specialities

2.32.2 Course aim: Surgical sub-specialities course will produce a graduate who acquired knowledge, skills and attitude in the management of common ENT, ophthalmology, cardiothoracic and anaesthesiology. The graduate from the course is expected to have an interdisciplinary approach to surgical sub-specialities and diseases management.

2.32.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Interpret relevant laboratory and imaging tests with consideration to particular patients
- 2. Perform basic and lifesaving procedures used in ENT, Ophthalmology, cardiothoracic and anaesthesiology
- 3. Describe the basic principles of anaesthesia and critical care medicine.
- 4. Demonstrate the use of basic equipment for handling emergencies in the operating theatre and intensive care unit.
- 5. Recognize appropriate management for pain relief and sedation
- 6. Provide sedation, local anaesthesia and appropriate resuscitation measures.
- 7. Demonstrate good working conduct to patients and colleagues
- 8. Recognize complex conditions that require intra/inter departmental consultations
- 2.32.4 Course status: CORE2.32.5 Course credits: 28.02.32.6 Total hours spent: 280

2.32.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
SS501	Otorhinolaryngology	16	4	4	7	39	70	7.0
SS502	Ophthalmology	16	4	4	7	39	70	7.0
SS503	Cardiothoracic	16	4	4	7	39	70	7.0
SS504	Anaesthesiology	16	4	4	7	39	70	7.0
Total		64	16	16	28	156	280	28.0

2.33 MEDICAL SUB-SPECIALITIES (MS500)

2.33.1 Course title: Medical Sub-Specialities

2.33.2 Couse Aims: To be able to comprehend knowledge, practical skills, disease formulation and management of selected diseases in which upon completion of the course would be competent without supervision to diagnose, treat, rehabilitation and prevention of common medical conditions and recognize complex conditions needing referrals.

2.33.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Perform basic life-saving procedures used in emergency medicine
- 2. Interpret relevant laboratory and imaging tests with consideration to particular patients
- 3. To describe principles in therapy, dosages and untoward effects of diabetic, dermatological and HIV/AIDS prescribed drugs
- 4. Demonstrate ability to handle life threatening conditions
- 5. Demonstrate good working conduct to patients and colleagues
- 6. Recognize complex conditions that require intra/inter departmental consultations
- 2.33.4 1.28.4. Course status: CORE2.33.5 1.28.5. Course credits: 28.02.33.6 Total hours spent: 280

2.33.7 Course contents

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
MS501	Emergency Medicine	24	12	6	5	58	105	10.5
MS502	Endocrinology	8	4	2	2	19	35	3.5
MS503	Dermatology	16	8	4	2	40	70	7.0
MS504	HIV Medicine	16	8	4	3	39	70	7.0
Total		64	32	16	12	156	280	28.0

YEAR 5, SEMESTER 10

2.34 ADVANCED GENERAL SURGERY (GS500)

2.34.1 Course title: Advanced General Surgery

2.34.2 Course aim: The aim of the course is to equip learners with knowledge and skills to manage patients with elective and emergency surgical conditions and identify complex conditions for referral.

2.34.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Interpret relevant laboratory and imaging tests with consideration to particular patients
- 2. Diagnose and recommend appropriate treatment
- 3. Perform basic and lifesaving surgical procedures
- 4. Recognize complex surgical conditions that require intra/inter departmental consultations
- 5. Demonstrate ability to handle life threatening conditions
- 6. Demonstrate good working conduct to patients and colleagues
- 2.34.4 Course status: CORE2.34.5 Course credits: 14.02.34.6 Total hours spent: 140

2.34.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
GS501	General Surgery	2	7	4	4	34	51	5.1
GS502	Orthopaedics and Trauma	1	7	4	4	30	46	4.6
GS503	Urology	1	6	2	4	30	43	4.3
Total		4	20	10	12	94	140	14.0

2.35 ADVANCED OBSTETRICS AND GYNAECOLOGY (OG500)

- 2.35.1 Course title: Obstetrics and Gynaecology
- **2.35.2 Course aim:** To impart advanced knowledge and skills for the management of common obstetric, and gynaecological conditions as well as a broad understanding of reproductive health issues.
- 2.35.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Interpret relevant laboratory and imaging tests with consideration to particular patients
- 2. Diagnose and recommend appropriate treatment
- 3. Perform basic and lifesaving procedures used in Obstetrics and Gynaecology
- 4. Demonstrate good working conduct to patients and colleagues
- 5. Demonstrate ability to handle life threatening conditions
- 6. Recognize complex conditions that require intra/inter departmental consultations
- **2.35.4** Course status: CORE
- **2.35.5** Course credits: 14.0
- **2.35.6** Total hours spent: 140
- 2.35.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
OG501	Obstetrics	1	7	4	4	50	66	6.6
OG502	Gynaecological conditions	1	7	4	4	30	46	4.6
OG503	Social-cultural aspect of Reproductive Health	2	6	2	4	14	28	2.8
Total		4	20	10	12	94	140	14.0

2.36 ADVANCED PAEDIATRICS AND CHILD HEALTH (PC500)

2.36.1 Course title: Paediatrics and Child Health

2.36.2 Course aim: To impart to the learners advanced knowledge, skills and attitude in paediatrics and child health care, prevention and integrated management of major childhood illnesses in inpatient and outpatient setting.

2.36.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Interpret relevant laboratory and imaging tests with consideration to particular patients
- 2. Diagnose and recommend appropriate treatment
- 3. Perform basic and lifesaving procedures used in paediatrics
- 4. Demonstrate good working conduct to patients and colleagues
- 5. Demonstrate ability to handle life threatening conditions
- 6. Recognize complex conditions that require intra/inter departmental consultations
- 2.36.4 Course status: CORE2.36.5 Course credits: 14.02.36.6 Total hours spent: 140

2.36.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
PC501	Perinatology and neonatal medicine	1	4	2	3	18	28	2.8
PC502	Common disorders of various organ systems	0	4	2	3	18	27	2.7
PC503	Major Paediatric infections and infestations	1	4	2	2	20	29	2.9
PC504	Nutrition, Growth and development	1	4	2	2	18	27	2.7
PC505	Haematological disorders and Paediatric oncology	1	4	2	2	20	29	2.9
Total		4	20	10	12	94	140	14.0

2.37 ADVANCED INTERNAL MEDICINE (IM500)

2.37.1 Course title: Internal Medicine

2.37.2 Course aim: To promote the acquisition of professional knowledge, basic clinical skills like history taking, physical examination and investigations that would enable candidates upon completion of the course to formulate diagnosis and manage common medical conditions.

2.37.3 Course expected learning outcomes

At the end of the course, learners will be able to: -

- 1. Interpret relevant laboratory and imaging tests with consideration to particular patients
- 2. Diagnose and recommend appropriate treatment
- 3. Perform basic and lifesaving procedures used in internal medicine
- 4. Demonstrate good working conduct to patients and colleagues
- 5. Demonstrate ability to handle life threatening conditions
- 6. Recognize complex medical conditions that require intra/inter departmental consultations
- 2.37.4 Course status: CORE2.37.5 Course credits: 14.02.37.6 Total hours spent: 140

2.37.7 Course content

Code	Module name	LH	TS	AH	IS	PH	TH	Credits
IM501	Infectious Diseases	1	4	2	3	20	30	3.0
IM502	Endocrine Diseases, allergic and Haemato-oncology	0	4	2	3	14	23	2.3
IM503	Gastroenterology, Nephrology and Electrolyte Abnormalities	1	4	2	2	20	29	2.9
IM504	Neurological and rheumatologic conditions	1	4	2	2	20	29	2.9
IM505	Cardiovascular and pulmonary diseases	1	4	2	2	20	29	2.9
Total		4	20	10	12	94	140	14.0

2.38 ENTREPRENEURSHIP (EN500)

- **2.38.1** Course title: Entrepreneurship
- **2.38.2 Course aim:** To equip learners with the entrepreneurial knowledge to enable them to start and operate businesses. Learners will also be equipped with knowledge and skills of innovation and creativity.

2.38.3 Course expected learning outcomes:

At the end of the course, learners should be to

- 1. Describe the principles of entrepreneurship in the context of heath sector
- 2. Apply principles of entrepreneurship and business sustainability in the health care setting
- 3. Describe responsibilities of joint venture and business start-up.
- 4. Describe how to correctly target market for a start-up business with limited resources.
- 5. Demonstrate an understanding of how to effectively finance a business venture.
- **2.38.4** 1.33.4. Course status: CORE

2.38.5 Credits: 3.4

2.38.6 Total hours: 34

2.38.7 Course Contents

Code	Module Name	LH	TS	AH	IS	PH	TH	Credits
EN501	Introduction to Entrepreneurship	6	4	1	1	1	13	1.3
EN502	Innovation, Creativity and Marketing	8	4	1	1	1	15	1.5
EN503	Capital Mobilization	2	2	1	0	1	06	0.6
TOTAL		16	10	3	2	3	34	3.4

CHAPTER THREE

INSTITUTE OF ALLIED HEALTH SCIENCES

3 INTRODUCTION

The Institute of Allied Health Sciences is specifically for training middle level health care providers in Tanzania leading to award of Diploma and Certificate.

3.1 DIPLOMA PROGRAMMES

3.1.1 Diploma in Medical Laboratory Sciences Programme

This is a competency based six-semester Diploma in Medical Laboratory Sciences (DMLS) Programme. It intends to train health personnel capable of managing medical laboratory and diagnostic services.

3.1.2 Entry requirements

Direct Entry

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

Equivalent Qualifications

- (i) Certificate in Medical Laboratory sciences with three years' experience who has passed the selection examination recognized by the University and must have 'O'level secondary school certificate.
- (ii) Laboratory Assistant from a recognized institution with at least two years of experience in Clinical Laboratory Practice provided the applicant has two passes in science subjects in O-Level.

DIPLOMA IN MEDICAL LABORATORY SCIENCES

Code	Course name			Lectures		Practic	al	Total	
				Hrs	Units	Hrs	Units	Hrs	Units
Semester 1									
LS 100-102	Anatomy (I)			99	6.6	-	-	99	6.6
LS 106-109	Biochemistry (I)			96	4.6	-	-	96	4.6
LS 114-115	Molecular biology	·		46	3.0	-	-	46	3.3
LS 116	Basic Sciences			45	3.0	-	-	45	3.0
LS 117-119	Communication sk	ills		32	2.1	-	-	32	2.1
LS 120-121	Introduction	to	Information	22	1.5	36	0.8	56	2.1
	Technology								
Total				340	20.8	36	0.8	374	21.7
Semester 2									
LS 103	Anatomy (II)			45	3.0	-	-	45	3.0
LS 104-105	Human Physiology	7		114	7.6	-	-	114	7.6
LS 110-112	Biochemistry (II)			96	6.4	-	-	96	6.4
LS 116-126	Introduction to	Health	Laboratory	72	4.8	-	0.2	72	4.8
	Sciences								
Total				327	21.8	-	0.2	327	21.8
Semester 3									
LS 200-201	Blood Transfusion	I		47	3.2	32	0.7	79	3.8
LS 206-209	Clinical Chemistry	I		72	4.8	10	0.2	82	5.0
LS 214-217	Haematology I			54	3.6	28	0.6	82	4.2
LS 221-224	Health System Res	earch	<u> </u>	32	2.1	-	-	32	2.1
LS 225-226	Histopathology/Me	orbid Ana	atomy I	54	3.6	14	0.3	68	0.9
LS 229-232	Microbiology/Imm	unology	I	65	4.3	24	0.5	72	4.8
LS 237-238	Parasitology I			54	3.6	18	0.4	72	4.0
LP 241	Practical I			-	-	180	4.0	180	4.0

Total			378	25.1	306	6.7	684	31.8
Semester 4								
LS 202-205	Blood Transfusion II		52	3.4	24	0.5	96	3.9
LS 210-213	Clinical Chemistry II		45	3.0	15	0.3	60	3.3
LS 218-220	Haematology II		56	3.7	19	0.4	75	4.1
LS 227-228	Histopathology/Morbid An	atomy II	42	2.8	18	0.4	60	3.1
LS 233-236	Microbiology II		56	3.7	15	0.3	71	4.0
LS 239-240	Parasitology II		61	4.0	19	0.4	80	4.4
LP 242	Practical II		-	-	54	1.2	54	1.2
Total			312	20.6	164	3.5	453	24.1
Semester 5								
LS 300-302	Clinical Chemistry III		60	4.0	19	0.4	79	4.4
LS 306-307	Haematology III		64	4.2	14	0.3	78	4.5
LS 312-315	Health Lab. Management		31	2.0	-	-	31	2.0
LS 316-317	Histopathology/Morbid An	atomy III	56	3.7	14	0.3	70	4.0
LS 320-321	Medical Entomology I		37	2.4	9	0.2	46	2.6
LS 324-325	Microbiology III		54	3.6	10	0.2	64	3.8
LP 332	Practicals III		-	-	66	1.4	66	1.4
LP 332	Field Practice		-	-	320	7.1	320	7.1
Total			302	19.9	452	10.0	754	29.9
Semester 6								
LS 303-305	Clinical Chemistry IV		50	3.3	14	0.3	54	3.6
LS 308-309	Haematology IV		56	3.7	14	0.3	60	4.0
LS 328-330	Health and Management	1	31	2.0	-	-	31	2.0
LS 318-319	Histopathology/Morbid An	atomy IV	70	4.6	19	0.4	89	5.0

LS 322-323	Medical Entomology	y II		37	(4	2.4	10	0.2	47	2.6
LS 326-327	Microbiology/Immu	nology l	IV	43	2	2.8	10	0.2	47	3.0
LP 333	Practical IV			-	-	-	67	1.4	67	1.4
Total				287	1	18.8	134	2.9	395	21.7



Students of Diploma in Medical Laboratory Sciences in a practical class

Diploma in Pharmaceutical Sciences

- (i) A holder of form VI Certificate with one principal pass and two subsidiaries in the science subjects of Biology, Chemistry Physics or Mathematics or A holder of IV certificate or equivalent with three credits in Biology, Chemistry, Physics or Mathematics
- (ii) Pharmaceutical assistant from a recognized institution with at least two years' experience in Pharmacy Practice provided the applicant has two passes in science subjects I O-Level.



Students of Diploma in Pharmaceutical Sciences in a practical class

Certificate in Medical Laboratory Sciences

- (i) A candidate must have a certificate of secondary education (O-Level) or equivalent with at least 2"D" passes in Biology, Chemistry, Physics or Mathematics) or East Africa Certificate of Education (EACE) 'O' level and has pass
- (ii) From IV leavers who have attended one year course in the medical science but subject to passing an Entrance Examination

Certificate in Pharmaceutical Sciences

- (i) A candidate must have a certificate of secondary education (O-Level) or equivalent with at least 2"D" passes in Biology, Chemistry, Physics or Mathematics) or East Africa Certificate of Education (EACE) 'O' level and has pass
- (ii) From IV leavers who have attended one year course in the medical science but subject to passing an Entrance Examination

3.2 EXAMINATION REGULATIONS

3.2.1 EXAMINATION REGULATIONS FOR DIPLOMA

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.

- (i) The academic year shall be the basic academic audit unit.
- (ii) Registration shall be done once at the beginning of each semester.
- (iii) 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.
- (iv) 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.
- (v) 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 Faculty Board and approval by the Academic Committee.
- (vi) A candidate who fails in courses/modules shall be allowed to sit for first supplementary in the failed modules during long vacation if he/she obtained an overall GPA of 1.6 or more.
- (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. To pass a course a candidate has to pass all modules in that course.
- (x) 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 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 1to 4 for diploma programmes, shall be discontinued from studies, except in special circumstances, if recommended by the Faculty Board and Academic Committee. A candidate who fails the second supplementary examination in Semesters 5 and 6 for diploma programmes shall be allowed to supplement the failed courses at the end of semesters four or six, respectively, provided the maximum tenure of six or eight semesters is not exceeded.
- (xiii) The highest grade a candidate can obtain after a supplementary is a"C".
- (xiv) 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.
- (xv) 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.
- (xvi) No candidate shall be allowed to sit for a third supplementary examination except in special circumstances as may be determined by the Academic Committee.
- (xvii) The maximum allowed period for registration shall be 8 semesters for Diploma programmes.

(xviii) 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.

3.3 The Grading system

The grading system shall be as follows:

Medical Laboratory Science

S/N	SCORE RANGE	GRADE	DEFINITION
1	80 - 100	A	Excellent
2	65 – 79	В	Good
3	50 – 64	С	Average
4	40 - 49	D	Poor
5	0 - 39	F	Failure
6	ı	I	Incomplete
7	0	Q	Disqualification

Pharmaceutical Sciences

S/N	SCORE RANGE	GRADE	DEFINITION
1	75 – 100	A	Excellent
2	70 – 74	B+	Very Good
3	65 – 69	В	Good
4	50 – 64	С	Average
5	40 – 49	D	Poor
6	0 – 39	F	Failure
7	-	I	Incomplete
8	0	Q	Disqualification

3.4 REGULATIONS FOR FIELDWORK

3.4.1 REGULATIONS OF FIELD WORK/RESEARCH

As partial fulfillment for the award of 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 Institute authority not exceeding two weeks after the field work attachment, and two weeks before the commencement of the end relevant module examination.
- (iii) Candidates who do not submit their reports at this period without a valid reason will be required to supplement the semester.
- (iv) Candidates will also submit dull filled student progress portfolio, which shall be used during the end of respective modular examinations at oral/practical examinations.
- (v) The pass mark for fieldwork and research is 50% respectively.
- (vi) Every task in the fieldwork (field work report, portfolio, research report and fully signed checklist) shall be done individually.

CHAPTER FOUR

FEE STRUCTURE

4.1 FEE STRUCTURE FOR UNDERGRADUATE PROGRAMME 4.1.1 INTRODUCTION

Fees and other financial obligations are the sole responsibility of the student and/or the sponsor or guardian. The fees are payable in full at the beginning of each academic year or in two instalments at the beginning of each semester. All the money payable to the College shall be paid directly into the College account. No student will be allowed to carry forward parts of the fee into the following academic year. Fees may be revised from time to time without prior notice. New fee structures will apply for new intake as well as for continuing students. Fees paid will not be refunded after the first four weeks of the academic year.

Student can apply a loan from the Higher Education Student's Loan Board.

The following fee is applicable for the 2020/2021 - 2021/2022 academic year:

4.1.2 FEE STRUCTURE FOR DOCTOR OF MEDICINE (MD) FOR ACADEMIC YEAR 2020/2021 – 2021/2022 (Figures in TSHS)

A: Payable to University

S/N	Description	Year 1	Year 2	Year 3	Year 4	Year 5
1	Transfer fee	30,000				
2	Registration fee	30,000	30,000	30,000	30,000	30,000
3	Admission Fee	75,000				
4	Sustainability Fund	45,000	45,000	45,000	45,000	45,000
5	TCU Quality Assurance	20,000	20,000	20,000	20,000	20,000
6	ID Card	10,000				
7	Health Capitation	100,000	100,00	100,000	100,00	100,000
8	Seminar/Conferences	30,000	30,000	30,000	30,000	30,000
9	Examination Fee	150,000	150,000	150,000	150,000	150,000
10	Caution Money	50,000	50,000	50,000	50,000	50,000
11	Special Faculty Requirement	150,000	150,000	150,000	150,000	150,000
12	Community Outreach		250,000			
13	Internet Service	10,000	10,000	10,000	10,000	10,000
14	Graduation Fee					100,000
15	Tuition Fee	4,150,000	4,150,000	4,150,000	4,150,000	4,150,000
	Total Cost to Student	4,850,000	4,985,000	4,735,000	4,735,000	4,835,000

B: Direct Student Costs (Payment to Student)

S/N	Description	Year 1	Year 2	Year 3	Year 4	Year 5
1	Student Union	20,000	20,000	20,000	20,000	20,000
2	Stationery	100,000	100,000	100,000	100,000	100,000
3	Books	300,000	300,000	300,000	300,000	300,000
4	Fieldwork	-	480,000	480,000	620,000	-
5	Elective and Research	-	-	-	-	100,000
6	Meals and Accommodation	2,618,000	2,618,000	2,618,000	2,618,000	2,618,000
	Total Cost to Student	3,038,000	3,518,000	3,518,000	3,658,000	3,138,000

SFUCHAS accommodation facilities:

- (i) Rates range from Tshs 250,000.00 to 500,000.00 per year.
- (ii) First priority will be given to new comers and finalists on first come, first served basis.
- (iii) Payment should only be made upon confirmation of room availability.



SFUCHAS St.Faustina Hostel

4.1.3 FEE STRUCTURE FOR (Bsc. Nursing and Bsc Medical Laboratory Sciences) FOR ACADEMIC YEAR 2020/2021 – 2021/2022 (Figures in TSHS)

These two programmes will start in the nearby future.

A: Payable to University

S/N	Description	Year 1	Year 2	Year 3	Year 4
1	Transfer fee	30,000			
2	Registration fee	30,000	30,000	30,000	30,000
3	Admission Fee	75,000			
4	Sustainability Fund	45,000	45,000	45,000	45,000
5	TCU Quality Assurance	20,000	20,000	20,000	20,000
6	ID Card	10,000			
7	Health Capitation	100,000	100,00	100,000	100,00
8	Seminar/Conferences	30,000	30,000	30,000	30,000
9	Examination Fee	150,000	150,000	150,000	150,000
10	Caution Money	50,000	50,000	50,000	50,000
11	Special Faculty Requirement	150,000	150,000	150,000	150,000
12	Community Outreach		250,000		
13	Internet Service	10,000	10,000	10,000	10,000
14	Graduation Fee				100,000
15	Tuition Fee	4,150,000	4,150,000	4,150,000	4,150,000
	Total Cost to Student	4,850,000	4,985,000	4,735,000	4,835,000

B: Direct Student Costs (Payment to Student)

S/N	Description	Year 1	Year 2	Year 3	Year 4
1	Student Union	20,000	20,000	20,000	20,000
2	Stationery	100,000	100,000	100,000	100,000
3	Books	300,000	300,000	300,000	300,000
4	Fieldwork	-	480,000	480,000	620,000
5	Elective and Research	-	-	-	-
6	Meals and Accommodation	2,618,000	2,618,000	2,618,000	2,618,000
	Total Cost to Student	3,038,000	3,518,000	3,518,000	3,658,000

SFUCHAS accommodation facilities:

- (i) Rates range from Tshs 250,000.00 to 500,000.00 per year.
- (ii) First priority will be given to new comers and finalists on first come, first served basis.
- (iii) Payment should only be made upon confirmation of room availability.

4.2 FEE STRUCTURE FOR DIPLOMA PROGRAMMES

(Diploma in Pharmaceutical Sciences; Diploma in Medical Laboratory Science and Technology) 2020/2021 – 2021/2022 (Figures in TSHS)

A: Payable to University

S/N	Description	Year 1	Year 2	Year 3
1	Transfer fee	30,000.00		
2	Registration fee	30,000.00	30,000.00	30,000.00
3	Admission Fee	75,000.00		
4	Sustainability Fund	45,000.00	45,000.00	45,000.00
5	TCU Quality Assurance	20,000.00	20,000.00	20,000.00
6	ID Card	10,000.00		
7	Health Capitation	Tealth Capitation 100,000.00 100,000.00		100,000.00
8	Seminar/Conferences	30,000.00	30,000.00	30,000.00
9	Examination Fee	150,000.00	150,000.00	150,000.00
10	Caution Money	50,000.00	50,000.00	50,000.00
11	Special Faculty Requirement	150,000.00	150,000.00	150,000.00
12	Tuition Fee	1,200,000.00	1,200,000.00	1,200,000.00
13	Internet Service	10,000.00	10,000.00	10,000.00
14	Graduation Fee			100,000.00
15	Community Outreach			250,000.00
	Total Cost to University	1,900,000.00	1,175,000.00	2,135,000.00

B: Direct Student Costs (Payment to Student)

S/N	Description	Year 1	Year 2	Year 3
1	Student Union	20,000.00	20,000.00	20,000.00
2	Stationery	100,000.00	100,000.00	100,000.00
3	Books	300,000.00	300,000.00	300,000.00
4	Fieldwork Allowance			480,000.00
6	Meals and Accommodation	2,618,000.00	2,618,000.00	2,240,000.00
	Total Cost to Student	3,038,000.00	3,038,000.00	3,518,000.00

SFUCHAS Accommodation facilities:-

- (i) Rates range from Tshs 250,000.00 to 500,000.00 per year.
- (ii) First priority will be given to new comers and finalists on first come, first served basis.
- (iii) Payment should only be made upon confirmation of room availability.

4.3 Summary of the Curriculum for Diploma Programmes

4.3.1 DIPLOMA IN PHARMACEUTICAL SCIENCES

Code	Subject	Theory	1	Practical		Total	
		Hrs	Units	Hrs	Uni ts	Hrs	Units
Semester 1							
PT 107-108	Pharmaceutics Theory - I	75	6.0	-	-	75	5.0
PT 100-101	Hygiene	75	5.0	-	-	75	5.0
PT 102-104	Inorganic Chemistry	97.5	6.5		-	97.5	6.5
PT 105-106	Pharmaceutical Calculation - I	90	6.0	-	-	90	6.0
	Total	337.5	22.5	-	-	337.5	22.5
Semester 2							
PT 109-110	Anatomy & Physiology	120	8.0	_	-	120	8.0
PT 111-112	Pharmaceutics Microbiology	90	6.0	-	-	90	6.0
PT 113-114	Pharmaceutical Calculation –II	45	3.0	-	-	45	3.0
PT 115-116	Pharmaceutics Theory – II	75	5.0	-	-	75	3.0
PP100-102	Pharmaceutical Practical - I	-	_	180	4.0	180	4.0
	Total	330	22.0	180	4.0	510	26.0
Semester 3							
PT 200-201	Pharmaceutical Organic Chemistry	105	7.0	_	-	105	7.0
PT 202-203	Drugs & Medical Supplies Management	60	4.0	-	-	60	4.0
PT 204-205	Pharmacology I	60	4.0	-	-	60	4.0
PT 206-208	Pharmaceutical Calculation(III)	105	7.0	-	-	105	7.0

PT 209-210	Pharmaceutics Theory (III)	75	5.0	-	-	75	5.0
PP 200	Pharmaceutical Practical (II)	-	-	90	2.0	495	29.0
	Total	405	27.0	90	2.0	49.5	29.0
Semester 4							
PT 211-213	Pharmacognosy	105	7.0	-	-	105	7.0
PT 214	Forensic Pharmacy I	15	1.0	-	-	15	1.0
PT215-216	Drugs & Medical Supplies Management (II)	52.5	3.5	-	-	52.5	3.5
PT 217-218	Pharmacology (II)	60	4.0	-	-	60	4.0
PT 219-220	Pharmaceutics Theory (IV)	75	5.0	-	-	75	5.0
PP 202	Pharmaceutical Practical (III)	-	2.0	90	2.0	90	2.0
	Total	292.5	26.0	90	2.0	397	28.0
Semester 5							
PT 300	Introduction to entrepreneurship	15	1.0	-	-	15	1.0
PT 301-302	Pharmacology IIII	30	2.0	-	-	30	2.0
PT 305-304	Pharmaceutics Theory V	45	3	-	-	45	3.0
PT 305	Forensic Pharmacy II	22.5	1.5	-	-	22.5	2.5
PP 300	Pharmaceutics Practical IV	-	-	67.5	1.5	67.5	1.5
PP 303	Field Project	-	-	315	7.0	315	7.0
	Total	1125	8.5	382.5	8.5	495	17.0

DIPLOMA IN MEDICAL LABORATORY SCIENCES

Code	Course name			Lectures	;	Practio	cal	Total	
				Hrs	Units	Hrs	Units	Hrs	Units
Semester 1									
LS 100-102	Anatomy (I)			99	6.6	-	-	99	6.6
LS 106-109	Biochemistry (I)			96	4.6	-	-	96	4.6
LS 114-115	Molecular biolog	у		46	3.0	-	-	46	3.3
LS 116	Basic Sciences			45	3.0	-	-	45	3.0
LS 117-119	Communication	skills		32	2.1	-	-	32	2.1
LS 120-121	Introduction	to	Information	22	1.5	36	0.8	56	2.1
	Technology								
Total				340	20.8	36	0.8	374	21.7
Semester 2									
LS 103	Anatomy (II)			45	3.0	-	-	45	3.0
LS 104-105	Human Physiolo	gy		114	7.6	-	-	114	7.6
LS 110-112	Biochemistry (II)			96	6.4	-	-	96	6.4
LS 116-126	Introduction to	Health	Laboratory	72	4.8	-	0.2	72	4.8
	Sciences								
Total				327	21.8	-	0.2	327	21.8
Semester 3									
LS 200-201	Blood Transfusio	n I		47	3.2	32	0.7	79	3.8
LS 206-209	Clinical Chemist	ry I		72	4.8	10	0.2	82	5.0
LS 214-217	Haematology I			54	3.6	28	0.6	82	4.2
LS 221-224	Health System R	esearch		32	2.1	-	-	32	2.1
LS 225-226	Histopathology/l	Morbid .	Anatomy I	54	3.6	14	0.3	68	0.9
LS 229-232	Microbiology/Im	munolo	gy I	65	4.3	24	0.5	72	4.8
LS 237-238	Parasitology I			54	3.6	18	0.4	72	4.0

LP 241	Practical I	-		180	4.0	180	4.0
Total		378	25.1	306	6.7	684	31.8
Semester 4							
LS 202-205	Blood Transfusion II	52	3.4	24	0.5	96	3.9
LS 210-213	Clinical Chemistry II	45	3.0	15	0.3	60	3.3
LS 218-220	Haematology II	56	3.7	19	0.4	75	4.1
LS 227-228	Histopathology/Morbid Anatom	y II 42	2.8	18	0.4	60	3.1
LS 233-236	Microbiology II	56	3.7	15	0.3	71	4.0
LS 239-240	Parasitology II	61	4.0	19	0.4	80	4.4
LP 242	Practical II	-		54	1.2	54	1.2
Total		312	20.6	164	3.5	453	24.1
Semester 5							
LS 300-302	Clinical Chemistry III	60	4.0	19	0.4	79	4.4
LS 306-307	Haematology III	64	4.2	14	0.3	78	4.5
LS 312-315	Health Lab. Management	31	2.0	-	-	31	2.0
LS 316-317	Histopathology/Morbid Anatom	y III 56	3.7	14	0.3	70	4.0
LS 320-321	Medical Entomology I	37	2.4	9	0.2	46	2.6
LS 324-325	Microbiology III	54	3.6	10	0.2	64	3.8
LP 332	Practicals III	-	-	66	1.4	66	1.4
LP 332	Field Practice	-		320	7.1	320	7.1
Total		302	19.9	452	10.0	754	29.9
Semester 6							
LS 303-305	Clinical Chemistry IV	50	3.3	14	0.3	54	3.6
LS 308-309	Haematology IV	56	3.7	14	0.3	60	4.0
LS 328-330	Health and Management	31	2.0	-	-	31	2.0
LS 318-319	Histopathology/Morbid Anatom	y IV 70	4.6	19	0.4	89	5.0

LS 322-323	Medical Entomol	ogy II		37	-	2.4	10	0.2	47	2.6
LS 326-327	Microbiology/Immunology IV		gy IV	43	4	2.8	10	0.2	47	3.0
LP 333	Practical IV			-		-	67	1.4	67	1.4
Total				287		18.8	134	2.9	395	21.7

4.4 CERTIFICATE IN MEDICAL LABORATORY SCIENCES

4.4.1 The main objective of this course is to train Health Laboratory Assistants who must be able to:

- a. Make early, reliable and correct laboratory diagnosis at primary and peripheral levels that will determine suitable treatment for the patient, in order to minimize the cost of making wrong treatment.
- b. Help the clinician to make early decisions whether to refer patients for further management at a higher level.
- c. Improve the quality of health care by better surveillance and recognition of common disease epidemics or rare diseases in the community, by utilization of laboratory information and provision of relevant epidemiological data.
- d. Give health education to the community on common diseases.
- e. Ensure proper management of the peripheral laboratory and exercise preventative maintenance of the laboratory equipment.
- f. Attend various health emergency e.g. Cholera epidemics, etc.

4.4.2 Admission Requirements:

a) Direct Entry Requirements

A candidate must have a Certificate of Secondary Education (O-Level) or equivalent with at least 2 "D" passes in Biology, Chemistry, Physics or Mathematics **OR**

b) Equivalent Entry Requirement

Form IV leavers who have attended one year course in the medical sciences but subject to passing an Entrance Examination.

4.4.3 Duration of the Certificate Programme:

The certificate programme is scheduled to run under a semester system in which there are 18 teaching weeks plus 2 examinations weeks in each semester. The Certificate in Medical Laboratory Sciences is designed to run for two (2) years.

Structure of the programme and indicative training modules:

CODE	COURSE TITLE	UNITS
First year (Semeste	er I)	<u>, </u>
RCM 100	Anatomy and Physiology	6
RCM 101	Biochemistry	4
RCM 102	Laboratory Safety and First Aid	6
RCM 103	Laboratory Instrumentation	4
RCM 104	Microscopy	6
RCM 105	Specimen Collection	4
First Year (Semest	er II)	
RCM 106	Parasitology – Theory	6
RCM107	Parasitology – Practical	3
RCM 108	Microbiology/Immunology -Theory 1	6
RCM 109	Microbiology/Immunology - Practical 1	3
RCM 110	Haematology – Theory 1	6
RCM 111	Haematology- Practical 1	3
RCM 112	Clinical Chemistry- Theory 1	6
RCM 113	Clinical Chemistry- Practical 1	3
RCM 114	Blood Transfusion- Theory 1	3
RCM 115	Blood Transfusion- Practical 1	3
RCM 116	Histopathology	3
Second year (Semo	ester III)	
RCM 200	Entomology- Theory	5
RCM 201	Entomology- Practical	2.5
RCM 202	Microbiology/Immunology-Theory	5
RCM 203	Microbiology/ Immunology- Practical 2	2.5
RCM 204	Haematology – Theory 2	5
RCM 205	Haematology- Practical 2	2.5
RCM 206	Clinical Chemistry- Theory 2	5
RCM 207	Clinical Chemistry- Practical 2	2.5

RCM 208	Blood Transfusion Theories 2	2.5					
RCM 209	Blood Transfusion- Practical 2	2.5					
RCM 210	Quality assurance	2.5					
Second Year (Se	Second Year (Semester IV)						
RCM 211	Field Work	10					
RCM 212	Laboratory Management and Administration	4					
RCM 213	Communication Skills/Counselling	4					
RCM 214	Primary Health Care Concepts	4					
RCM 215	Clinical Laboratory Practice	10					
RCM 216	Laboratory Ethics	4					
RCM 217	Quality assurance in health care delivery	4					
RCM 218	Blood transfusion/Haematology theory	7.5					
RCM 219	Blood transfusion/Haematology practical	5.0					
RCM 220	Clinical Chemistry/Histology Theory	2.5					
RCM 221	Clinical chemistry/History Practical	2.5					
RCM 222	Microbiology Immunology Theory	5.0					
RCM 223	Microbiology Immunology Practical	2.5					
RCM 224	Parasitological/Entomology Theory	5.0					
RCM 225	Parasitological/Entomology Practical	2.5					

CHAPTER FIVE

5.1 LIST OF ACADEMIC STAFF

5.1.1 FACULTY OF MEDICINE

S/N	Name	Sex	Academic rank	Qualifications			
Depa	Department of Anatomy & Pathology						
1	Cassian C. Magori	M	Professor	MD (MUHAS), PhD (London) Anatomy			
2	Rahab M. Morro	F	Asst. Lecturer	BSc (IMTU), MSc (IMTU)Anatomy			
3	D (M.I	M	Asst. Lecturer	DDS (MUHAS), MSc (MUHAS) Anatomy,			
3	Revocatus Makaranga	1 V1	Ag. Head	PhD (China) Pharmacy			
4	Eva E. Mbwilo	F	Lecturer	MD (KCMC), MMed (Makerere) Pathology			
5	Edrick Elias	M	Lecturer	MD (MUHAS), MMed (MUHAS) Pathology			
Depa	rtment of Biochemistry & Physic	logy	,				
6	Sakurani T. Balthazary	M	Professor and Head	BVSc (UDSM), MVM (SUA) Biochemistry,			
0	Jakurani 1. Dannazary	171	Trolessor and fread	PhD (Hanover) Biochemistry			
7	Erasmus Kamugisha	M	Associate Professor	MD (UDSM) , MSc (Makerere) , PhD (
/	Erasinus Kamugisna	1 V1	Associate i folessoi	CUHAS/Upsala University) Biochemistry			
8	Magreth Macha	F	Asst. Lecturer	BSc (SUA), MSc (Belgium) Biochem.			
9	Sadikiel Kaale	M	Asst. Lecturer	BedSc. (MWECAU), MSc			
,	Saurkiei Raaie	1 V1	Asst. Lecturer	(UDSM)Biochemistry.			
10	Haruna Dika	M	Lecturer	MD (UDSM), MSc (Makerere) Physiol, PhD			
10	Tiaiuna Dika			(Calgary) Physiology			
11	Morolahun E. Abimbola	M	Asst. Lecturer	B.Tech. Med. Physiology (Nigeria), MSc			
11	Wiorolatium E. Montibola	171		(Ilorin) Physiology			
Depa	Department of Microbiology & Parasitology						
12	Richard S. Silayo	M	Professor and Head	BVM (Nairobi), MSc (Edinburg)			
12	Richard 5. Shayo	171	Troicssor and fread	Parasitology, PhD (Edinburg)Parasitology.			
				MD (Volgograd, Russia), DAP&E (IMR,			
13	Nicholas J.Kavana	M	Senior Lecturer	Malaysia) Parasitology & Entomology, MSc			
10	Niciolas J.Ravalia	141		(Univ. Malaya, Malaysia) Eco-Parasitology,			
				PhD (SUA) Parasitology.			
14	Jacquiline Liseki	F	Asst. Lecturer	MD (WBUCHS),MSc (KCMC)			
15	Robert Machang'u	M	Professor	BVM(Romania), MVM(Germany) Microbiol,			
	Robert Waterlang a	141	110103301	PhD (Guelph, Canada) Microbiol.			
16	Boniphace S. Jullu	M	Lecturer	BVM (SUA), MVM (SUA) Microbiol.			
17	Clause Thomas	M	Asst. Lecturer	BedSc (MWECAU), MSc (SUA) Microbiol.,			
				PhD (SUA) in progress			
18	Peter T. White	M	Associate Professor	BSc (London), PhD (London) zoology			
	Department of Public Health						
19	Senga K. Pemba	M	Associate Professor	Adv. Dipl. in Clin. Med.(KCMC), Dipl. In			

1			and Head	Health Profession (Nairobi), MMedEd.
			and mead	(Dundee), PhD (Dundee) Med. Educ.
				MD (UDSM), MSc (Maastricht, The
	Albino Kalolo			Netherlands) Public Health, PhD
20		M	Senior Lecturer	(Haidelberg, Germay) Public Health, GHES
20		171	Schol Lecturer	Fellowship (University of California,
				Berkeley) Epidemiology
				Adv. Dipl. in Clin. Med.((Bugando), MPH
21	Richard S. Gellejah	M	Lecturer	(Boston), PhD (Hull) Public Health
				BSc Western Washington University,
				Washington, USA) Biochemistry(, MSc
				(Tulane School of Public Health and
22	Marcelina Finda	F	Lecturer	Tropical Medicine, USA) Public Health,
				PhD (University Witwatersrand, South
				Africa) Public Health
				BA (UDSM), MA(UDSM) Development
23	Dionis Mgaya	M	Ass Lecturer	studies
				Bachelor of Arts (Segerea Seminary ,
24				affiliated to Urbaniana University) Moral
24	Robert Kitambo	M	Ass Lecturer	Theology, MA (UDSM), Development
				studies
Dono	artment of Internal Medicine and	Clinia	cal Pharmacology	
Deba		CIIIII	2011 1 11011111012010 8)	
			Senior Lecturer and	MD (UDSM), MPH (John Hopkins), MMed
25	Gabriel Upunda	M		(UDSM) Int. Med.
			Senior Lecturer and	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med.
25	Gabriel Upunda	M	Senior Lecturer and Head	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int.
25 26	Gabriel Upunda Witness T. Lubomba	M F	Senior Lecturer and Head Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med.
25 26	Gabriel Upunda Witness T. Lubomba	M F	Senior Lecturer and Head Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD
25 26 27	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona	M F M	Senior Lecturer and Head Lecturer Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology
25 26 27 28	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona Gilbert W.Kongola	M F M	Senior Lecturer and Head Lecturer Lecturer Professor	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology MD (UDSM), MMed(Huazhong university of
25 26 27	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona	M F M	Senior Lecturer and Head Lecturer Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology
25 26 27 28	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona Gilbert W.Kongola	M F M	Senior Lecturer and Head Lecturer Lecturer Professor	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology MD (UDSM),MMed(Huazhong university of science of science and technology, China)
25 26 27 28 29	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona Gilbert W.Kongola Fabian Mghanga	M F M M	Senior Lecturer and Head Lecturer Lecturer Professor Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology MD (UDSM), MMed(Huazhong university of science of science and technology, China) internal Medicine
25 26 27 28 29 30	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona Gilbert W.Kongola Fabian Mghanga Paul Sarea	M F M M M	Senior Lecturer and Head Lecturer Lecturer Professor Lecturer Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology MD (UDSM), MMed (Huazhong university of science of science and technology, China) internal Medicine MD(UDSM), MMed (MUHAS) psychiatry
25 26 27 28 29 30 31	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona Gilbert W.Kongola Fabian Mghanga Paul Sarea Erasmus Mndeme	M F M M M M M	Senior Lecturer and Head Lecturer Lecturer Professor Lecturer Lecturer Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology MD (UDSM), MMed(Huazhong university of science of science and technology, China) internal Medicine MD(UDSM), MMed (MUHAS) psychiatry MD(UDSM), MMed(UDSM), Psychiatry
25 26 27 28 29 30	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona Gilbert W.Kongola Fabian Mghanga Paul Sarea	M F M M M	Senior Lecturer and Head Lecturer Lecturer Professor Lecturer Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology MD (UDSM),MMed(Huazhong university of science of science and technology, China) internal Medicine MD (UDSM), MMed (MUHAS) psychiatry MD (UDSM), MMed (UDSM), Psychiatry MD (UDSM), MMed(UDSM), Psychiatry
25 26 27 28 29 30 31	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona Gilbert W.Kongola Fabian Mghanga Paul Sarea Erasmus Mndeme	M F M M M M M	Senior Lecturer and Head Lecturer Lecturer Professor Lecturer Lecturer Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology MD (UDSM), MMed(Huazhong university of science of science and technology, China) internal Medicine MD(UDSM), MMed (MUHAS) psychiatry MD(UDSM), MMed(UDSM), Psychiatry MD (University of Basel), PhD (University of Bern), Internal Medicine, Post-doctoral
25 26 27 28 29 30 31 32	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona Gilbert W.Kongola Fabian Mghanga Paul Sarea Erasmus Mndeme Maja Weisser	M F M M F F F	Senior Lecturer and Head Lecturer Lecturer Professor Lecturer Lecturer Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology MD (UDSM),MMed(Huazhong university of science of science and technology, China) internal Medicine MD(UDSM), MMed (MUHAS) psychiatry MD(UDSM), MMed(UDSM), Psychiatry MD (University of Basel), PhD (University of Bern), Internal Medicine, Post-doctoral training (University of Bern), Infectious
25 26 27 28 29 30 31	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona Gilbert W.Kongola Fabian Mghanga Paul Sarea Erasmus Mndeme Maja Weisser Ngarawa Kessy Abdul	M F M M M M M	Senior Lecturer and Head Lecturer Lecturer Professor Lecturer Lecturer Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology MD (UDSM), MMed(Huazhong university of science of science and technology, China) internal Medicine MD(UDSM), MMed (MUHAS) psychiatry MD(UDSM), MMed(UDSM), Psychiatry MD (University of Basel), PhD (University of Bern), Internal Medicine, Post-doctoral training (University of Bern), Infectious Diseases MD (Moscow State University, Russia), MMed (Moscow State University, Russia)
25 26 27 28 29 30 31 32	Gabriel Upunda Witness T. Lubomba Joseph J. Kambona Gilbert W.Kongola Fabian Mghanga Paul Sarea Erasmus Mndeme Maja Weisser	M F M M F M M M M M M M	Senior Lecturer and Head Lecturer Lecturer Professor Lecturer Lecturer Lecturer Lecturer Lecturer Lecturer Lecturer	(UDSM) Int. Med. MD (KCMC), MMed (China), Int. Med. MBChB (Makerere), MMed (KCMC) Int. Med. MD (UDSM), MSc (Manchester), PhD (Manchester) Pharmacology MD (UDSM),MMed(Huazhong university of science of science and technology, China) internal Medicine MD(UDSM), MMed (MUHAS) psychiatry MD(UDSM), MMed (UDSM), Psychiatry MD(University of Basel), PhD (University of Bern), Internal Medicine, Post-doctoral training (Unversity of Bern), Infectious Diseases MD (Moscow State University, Russia),

34	Sylvester W. Mkama	M	Lecturer and Head	MD (Lumumba), MMed (China) OBGY	
35	Nathalia T. Makunja	F	Lecturer	MD (HKMU), MMed (CUHAS) OBGY	
-	,		-	MD (UDSM), MMed (UDSM) OBGY, PhI	
36	Angelo S. Nyamtema	M	Lecturer	(Netherlands) OBGY	
37	Elias G Kweyamba	M	Lecturer	MD (MUHAS) , MMed (MUHAS) OBGY,	
38	Omary Kilume	M	Lecturer	MD (UDSM) , MMed (MUHAS) OBGY	
39	Rajabu Nyangara	M	Lecturer	MD (UDSM) , MMed (IMTU) OBGY	
40	Ritha Lyamuya	F	Lecturer	MD (UDSM), MMed (UDSM) OBGY	
41	Erick Mbunga	M	Lecturer	MD (KCMC) , MMed (UDOM) OBGY	
Depa	artment of Surgery				
42	Andrew M. Hellar	M	Senior Lecturer and Head	MBChB (Makerere), MSc (UDSM) Anaesthesia	
43	Winfird Gingo	M	Lecturer	MD (HKMU), MMed (KCMC) Surgery	
44	Theresia A. Karuhanga	F	Lecturer	MD (WBUCHAS), MMed (UDOM) Surgery	
45	Fassil T. Gebreegziabhar	M	Lecturer	MD (Ethiopia), MMed (Bologna) Surgery	
46	Aza I. Lyimo	M	Lecturer	MD (MUHAS), MMed (MUHAS) Ophthalmology	
47	Rashid Mayoka	М	Lecturer	MD (Istanbul, Turkey) , MMed (KCMC) Surgery	
48	Antony Magoda	M	Lecturer	MD (Makerere), MMed (KCMC) Urology	
49	Moiz Vejlani	М	Lecturer	MD (Nizhny Novgorod State University, Russia), MMed (Nizhny Novgorod State University, Russia) Orthopedics & Traumatology	
50	Francis Bilshan Semwene	M	Lecturer	MD (Harkiv State Medical University, Ukraine), MMed (Kursk State Medical , Russia) Surgery	
51	Fredrick Njekile	M	Lecturer	MD (KCMC), MMed (KCMC) Orthopedics & Traumatology	
52	Christopher Mwansasu	M	Lecturer	MD (HKMU), MMed (MUHAS) ENT	
53	Hamim Rusheke	M	Lecture	MD(UDSM), MMed (MUHAS) Radiology	
Depa	artment of Paediatrics and Child	Healtl	n		
54	Joseph L. Mukama	M	Lecturer and Head	MD (MUHAS), MMed (KCMC) Paediatrics	
55	Festus M. Kalokola	M	Associate Professor	MD (UDSM), MMed (UDSM) Paediatrics	
56	Hawa Ngasongwa	F	Lecturer	MD (China), MMed (China) Int.Med.	
57	Rajabu Mrutu	M	Lecturer	MD (MUHAS) , MMed (MUHAS)	
58	Janeth Bulemela	F	Lecturer	MD (MUHAS), MMed (KCMC) Paediatrics	
		•	•		

LIST OF ACADEMIC STAFF

5.2 INSTITUTE OF ALLIED HEALTH SCIENCES

S/N	Name	Sex	Academic rank	Qualifications	
1	John Kazitanga	M	Tutor	BPharm (CUHAS)	
2	Sylivester A. Sylivester	M	Tutor	BPharm (SJUT)	
3	Jimson Sanga	M	Assistant Tutor	Dip.Pharm	
				(MUHAS)	
4	Paschal Stanley	M	Tutor	BSc Lab (SUA), MSc	
				Cand. (MUHAS)	
5	Petro Byamungu	M	Tutor	BMLS (CUHAS)	
6	Silvester S. Edward	M	Tutor	BMLS (CUHAS)	
7	Elimkenda Mlau	M	Assistant Tutor	Dip. Pharm	
				(SFUCHAS)	
8	Gilbert Mariwa	M	Tutor	BMLS (KIU)	
9	Edwin Matee	M	Tutor	BSc HL (KCMC)	
10	Sr. Christophora Cheyo	F	Assistant Tutor	Dip.Pharm (RUCU)	
11	Gabenus Mhomanga	M	Tutor	BPharm (MUHAS)	
12	Sr. StellaMaris Nombo	F	Assistant Tutor	DMLS (RUCU)	
13	Christopher Lekaleka	M	Assistant Tutor	DMLS (RUCU)	
14	Nelson Nyenza	M	Assistant Tutor	Dip.Pharm (RUCU)	

5.3 LIST OF LIBRARY STAFF

S/N	Name	Sex	Post	Qualifications
		F	Library Officer Trainee	BA Library (Mzumbe)
1	Neema Mushi		and Head	
2	Sr. Janeth Mgutu	F	Library Trainee	BA Library (RUCU)
3	Hellena S. Majinge	F	Senior Library Assistant	Dip. Library (SLADS), BA Library (OUT) in progress
4	Anna Kunambi	F	Senior Library Assistant	Dip.Library (SLADS)
5	Gerald Makoti	M	Library Assistantt	Cert. Library (SLADS)

CHAPTER SIX

6.1 ACADEMIC PRIZES

6.1.1 FACULTY OF MEDICINE

S/N	PRIZE	Awarding	Description	Amaount
		Authority		
1	University Prize	SFUCHAS	Best Final Year	100,000/=
			Student	

6.2 INSTITUTE OF ALLIED HEALTH SCIENCES

6.2.1 DIPLOMA IN LABORATORY SCIENCES

S/N	PRIZE	Awarding	Description	Amount
		Authority		
1	University Prize	SFUCHAS	Best Final Year	100,000/=
			Student	

6.2.2 DIPLOMA IN PHARMACEUTICAL SCIENCES

S/N	PRIZE	Awarding	Description	Amount
		Authority		
1	University	SFUCHAS	Best Final Year	100,000/=
	Prize		Student	