



Catholic University of Health and Allied Sciences

**PROSPECTUS
2019/2020-2021/2022**

**BUGANDO MEDICAL CENTRE
AND
CATHOLIC UNIVERSITY OF HEALTH AND ALLIED SCIENCES**



TABLE OF CONTENTS

	Page
MEMBERS OF BOARD OF TRUSTEES	iii
MEMBERS OF CUHAS- UNIVERSITY COUNCIL	iv
MEMBERS OF THE CUHAS SENATE	v
SENIOR OFFICERS OF CUHAS	vi
ADDRESSES	viii
PREAMBLE.....	ix
Vision of the University	xi
Mission of the University	xi
CUHAS Motto.....	xi
Core functions	xi
CUHAS Values.....	xi
LIST OF ACADEMIC PROGRAMMES.....	1
Entry Requirements	3
FINANCIAL INFORMATION	8
FEE STRUCTURE FOR NATIONAL STUDENTS- UNDERGRADUATE PROGRAMMES (MD, B. PHARM, B.Sc. NED, AND BMLS, B.Sc. N and B.Sc.MIR)	8
FEE STRUCTURE FOR FOREIGN STUDENTS- UNDERGRADUATE PROGRAMMES (MD, B. PHARM, B.SC. NED, BMLS, BSC.N and B.Sc.MIR)	10
FEE STRUCTURE FOR POSTGRADUATE PROGRAMMES	12
IAHS FEE STRUCTURE	15
Supplementary Examination Fees.....	17
REGISTRATION INFORMATION	18
EXAMINATION REGULATIONS.....	21
SPECIFIC UNIVERSITY EXAMINATION REGULATIONS	28
WEILL BUGANDO SCHOOL OF MEDICINE.....	28
DOCTOR OF MEDICINE (MD) PROGRAMME	29
BACHELOR OF MEDICAL LABORATORY SCIENCES PROGRAMME	41
BACHELOR OF SCIENCE IN MEDICAL IMAGING AND RADIOTHERAPY PROGRAMME.....	46
SCHOOL OF PHARMACY	49
BACHELOR OF PHARMACY PROGRAMME.....	50
ARCHBISHOP ANTHONY MAYALA SCHOOL OF NURSING.....	55
BACHELOR OF SCIENCE IN NURSING EDUCATION PROGRAMME.....	56

BACHELOR OF SCIENCE IN NURSING PROGRAMME.....	64
DIRECTORATE OF POSTGRADUATE STUDIES	75
MASTER OF MEDICINE PROGRAMMES	76
MASTER OF PUBLIC HEALTH PROGRAMME.....	92
MASTER OF SCIENCE IN PAEDIATRIC NURSING PROGRAMME.....	97
MASTER OF SCIENCE IN CLINICAL MICROBIOLOGY AND DIAGNOSTIC MOLECULAR BIOLOGY.....	102
DOCTOR OF PHILOSOPHY PROGRAMME	105
INSTITUTE OF ALLIED HEALTH SCIENCES	111
DIPLOMA PROGRAMMES	112
OCCASIONAL STUDENTS/ELECTIVE STUDENTS	116
STUDENTS' PRIZES.....	117
STAFF LIST	119
UNIVERSITY MANAGEMENT COMMITTEE	138

MEMBERS OF BOARD OF TRUSTEES

NAME	TITLE
1. Most Rev. Jude Thaddeus Ruwa'ichi	Archbishop of Dar es Salaam
2. Most Rev. Gervas Nyaisonga	Archbishop of Mbeya (President TEC/ Chancellor)
3. Most Rev. Damian Denis Dallu	Archbishop of Songea
4. Most Rev. Paul Ruzoka	Archbishop of Tabora
5. Most Rev. Isaack Amani	Archbishop of Arusha
6. Most Rev. Beatus Kinyaiya	Archbishop of Dodoma
7. Most Rev. Renatus Nkwande	Archbishop of Mwanza
8. Rev. Fr. Augustin Van Baelen, SDS	General Mission Secretary, Member

INVITED MEMBERS

9. Rt. Rev. Severin NiweMugizi	Bishop of Rulenge-Ngara
10. Rt. Rev. Rudovick Minde	Bishop of Moshi
11. Rt. Rev. Desderius Rwoma	Bishop of Bukoba
12. Rt. Rev. Titus Mdoe	Bishop of Mtwara
13. Rt. Rev. Salutaris M. Libena	Bishop of Ifakara
14. Amb. Prof. Costa Ricky Mahalu	Vice Chancellor, SAUT
15. Prof. Paschalis Rugarabamu	Vice Chancellor, CUHAS
16. Rev. Dr. Philbert Vumilia	Vice Chancellor, MWECAU
17. Rev. Prof. Pius Mgeni	Vice Chancellor, RUCU

- | | | |
|-----|----------------------------------|------------------------------|
| 18. | Prof. Method M. Kilasara | Principal, STEMMUCO |
| 19. | Prof. Melchior E. Mlambiti | Principal, AMUCTA |
| 20. | Prof. Cassian Magori | Principal, SFUCHAS |
| 21. | Prof. Bertram Mapunda | Principal, JUCO |
| 22. | Prof. Peter Msola | Principal, MARUCO |
| 23. | Prof. Haule Romuald | Director, SAUT-Mbeya Centre |
| 24. | Rev.Dr. Charles Gervas Rufyiriza | Director, SAUT-Arusha Centre |
| 25. | Fr. Claudius Nkwera | Corporate Counsel (SAUT) |

MEMBERS OF CUHAS- UNIVERSITY COUNCIL

- | | | |
|-----|-----------------------------------|---|
| 1. | Rt. Rev. Severin NiweMugizi | Bishop of Rulenge Ngara-Chairman |
| 2. | Most Rev. Renatus Nkwande | Archbishop of Mwanza |
| 3. | Rt. Rev. Eusebius Alfred Nzigilwa | Bishop of Mpanda |
| 4. | Amb. Prof. Costa Ricky Mahalu | Vice-Chancellor, SAUT |
| 5. | Fr. Dr. Charles Kitima | General Secretary, TEC |
| 6. | Dr. Fabian Massaga | Director General, BMC |
| 7. | | Director, Higher Education, MEVT |
| 8. | Dr. Loishooki Saitore Laizer | Director, Human Resources Development, MoHCDGEC |
| 9. | Mr. Linus Kweka | Representative of the Laity |
| 10. | Sr. Dr. Chrispina Lekule | Appointee, CUHAS Senate |
| 11. | Dr. Obadia Venance Nyogole | Renowned Medical Doctor |
| 12. | Prof. Paschalis G. Rugarabamu | Vice Chancellor, CUHAS |
| 13. | Dr. Marina Njelekela | Female representative of the Laity |
| 14. | Prof. Apollinary Kamuhabwa | Appointee of VC from MUHAS |
| 15. | | CUHASSO President |
| 16. | Vacant | Corporate Counsel CUHAS/Secretary |

In Attendance:

- | | | |
|----|-------------------------------|------------------------------|
| 1. | Prof. Stephen Mshana | Deputy Vice Chancellor (ARC) |
| 2. | Rev. Dr. Agapit Mroso, OFMCap | Deputy Vice Chancellor (PFA) |
| 3. | Mr. Boniface Kwiyea | Bursar |

MEMBERS OF THE CUHAS SENATE

- | | | |
|-----|-------------------------------|--|
| 1. | Prof. Paschalis G. Rugarabamu | Vice Chancellor/Chairman |
| 2. | Vacant | Corporate Counsel/Secretary. |
| 3. | Prof. Stephen E. Mshana | Deputy Vice Chancellor (ARC) |
| 4. | Rev. Dr. Agapit Mroso, OFMCap | Deputy Vice Chancellor (PFA) |
| 5. | Dr. Haruna Dika | Dean, Weill Bugando School of Medicine |
| 6. | Prof. Jeremiah Seni | Director, Postgraduate Studies |
| 7. | Sr. Dr. Chispina Lekule | Appointee of the Owner |
| 8. | Sr. Mary Auxilia Mtuy | Dean of Students |
| 9. | Prof. Domenica Morona | Director, Research and Innovations |
| 10. | Mr. Gration R. Tibaijuka | Director IAHS |
| 11. | Prof. Peter Rambau | Director of Quality Assurance |
| 12. | Mr. Yanga. Machimu | Representing Director Library Services |
| 13. | Mr. Ismael.M. Khangane | Director ICT |
| 14. | Dr. Rose M. Laisser | Dean AAMSoN |
| 15. | Prof. Gilbert W. Kongola | Dean School of Pharmacy |
| 16. | Prof. Zablon. E. Masesa | Appointee of the VC/Admissions Officer |
| 17. | Prof. Mariam Mirambo | Associate Professor, Appointee of VC |
| 18. | Prof. Humphrey Mazigo | Associate Professor, Appointee of VC |
| 19. | Sr. Alicia Massenga | Director of Surgical Services BMC |
| 20. | TBN | Undergraduate Students' representative |
| 21. | TBN | IAHS Students representative |
| 22. | TBN | Postgraduate Students representative |

SENIOR OFFICERS OF CUHAS

The Chancellor

Most. Rev. Gervas Nyaisonga

Archbishop of Mbeya and President of Tanzania

Episcopal Conference (TEC)

Vice Chancellor

Prof. Paschalis G. Rugarabamu

DDS (UDSM); MDENT (Dental Public Health)
(UDSM); MBA (ESAMI)

Deputy Vice Chancellor Academics Research and Consultancy (ARC)

Prof. Stephen E. Mshana,

MD (UDSM); MMed (Makerere); PhD (SAUT), Fell.
Med. Edu (SA)

Deputy Vice Chancellor Finance, Planning and Administration (PFA)

Rev. Dr. Agapit Mroso, OFMCap

Licentiate in Dogmatic Theology (Gregorian- Rome),
M. Spiritual Theology (Angelicum-Rome), PhD
(Gregorian- Rome)

Dean: Weill Bugando School of Medicine

Dr. Haruna Dika,

MD (UDSM); M.Sc. (Makerere), PhD (Calgary)

Associate Deans: Weill Bugando School of Medicine

Prof. Mariam Mirambo,

BVM (SUA), M.Sc.(LSHTM), PhD (CUHAS)

Dr. Semvua Kilonzo

MD(Tumaini), MMed (CUHAS), PhD (HUST, China)

Dean: School of Pharmacy

Prof. Gilbert W.M Kongola,

MD (UDSM), M.Sc. (Manchester), PhD (Manchester)

Dean, Archbishop Anthony Mayala School of Nursing

Dr. Rose M. Laisser

ADNE (MUHAS); M.Sc (Leeds Metropolitan
University), PhD (University of Umea – Sweden)

Director: Institute of Allied Health Sciences

Mr. Gration R. Tibaijuka B.

B. Pharmacy (UDSM)

Director: Postgraduate Studies

Prof. Jeremiah Seni,

MD (UDSM); MMed. (Makerere), PhD (Calgary)

Associate Director: Postgraduate Studies

Dr. Dismas Matovelo, *MD (UDSM); MMed. (SAUT)*

Ag. Dean: School of Public Health

Prof. Domenica Morona *M.Sc. (LSTMH), PhD*

Director: Research and Innovations

Prof. Domenica Morona *M.Sc. (LSTMH), PhD*

Associate Director: Research and Innovations

Dr. Benson Kidenya *MD (UDSM); M.Sc. (Makerere), M.Sc C. Clin. Epid (NY)
PhD (CUHAS)*

Director: Quality assurance

Prof. Peter Rambau, *MD (UDSM), MMed (Makerere), PhD (Calgary)*

Dean of Students

Sr. Mary Auxilia Mtuy *BA in English, M.Sc. in Education Leadership,
M.Theo, PhD*

Warden:

Vacant

Bursar

Mr. Boniface M. Kwiyeza *ADCA (Mzumbe); CPA (NBAA)*

Internal auditor

Ms. Bahati Michael Kilungu *ADA (SAUT), CPA (NBAA)*

Chaplain

Rev. Fr. Christopher Matunda Dinho *BA in Theology (Rome), M.A in Theology (Rome)*

Corporate Counsel

Vacant

ADDRESS/CONTACTS

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Chairman of Council Archdiocese of Zanzibar P.O. Box 3132 Zanzibar	CUHAS Students' Organisation (CUHASSO) Catholic University of Health and Allied Sciences P.O. Box 1464, Mwanza. Tanzania
University Bankers CRDB Bugando Branch P. O. Box 1330, Mwanza, Tanzania Tel: 255-28-2500053, 255-28-2500050 Fax: 255-28-2500040	University Advocates Nasimire & Company Advocates P. O. Box 261, Mwanza Tanzania. Tel: 028-2550048 Mobile: 0754 389820 Email: nasimire_advocates@yahoo.com
University Auditors Tax Pro and Associates P. O. Box 7550, Dar-es-Salaam Tanzania. Tel: +255-2111057/2125963; Fax+255-222111058 Email: taxprofessionals@taxprofessionals.co.tz Website: www.taxprofessionals.co.tz	

PREAMBLE



CUHAS envisions becoming an outstanding Tanzanian Catholic University, leading in health care, training, research and consultancies, while advocating moral and ethical values in responding to societal needs.

The University recognises that the role it has committed itself to (training human resources in health and health-related professions) is a longterm commitment to contribute to increasing the much needed human capital in the health sector, while increasing research output and community services along the same lines.

For the next three academic years 2019/2020 to 2021/2022, which coincides with the Vice Chancellor's second term; The University's focus will be to make further investment in facilitating high quality training, relevant and impactful research and consultancy services that continue to drive us towards realising our Mission. We have challenged ourselves to continue improving the learning and social environment for our students including investing in a modern Students' Centre and a Post-graduate Block. We will continue to recruit the much needed qualified faculty and support staff to increase our capacity in quality service delivery.

Furthermore, we shall maintain our compliance to regulatory standards as benchmarks, while differentiating ourselves from our competitors by providing a modern, efficient and friendly learning environment, and retaining the learning experience that is unique to Bugando.

The University has introduced a new **Bachelors degree in Medical Imaging & Radiotherapy**, a **Masters degree in Clinical Microbiology & Molecular Biology** and a **Master of Medicine programme in Anatomical Pathology and Master of Medicine in Orthopedics and Trauma**. We soon plan to start other new programmes including *Masters of Medicine in Radiology* and other Super-specialized programmes. The goal is to address the identified professional gaps in the health sector while increasing career opportunities for students from around the Lake Zone, elsewhere in Tanzania and beyond.

CUHAS is a place where students are educated to become responsible, caring professionals and law-abiding citizens, during and after training. All students should expect this as part and parcel of your everyday professional upbringing, as you diligently work to attain good grades. Discipline, Diligence and Excellence should be aspirational qualities for every student who chooses to study at CUHAS.

We hope that your time at CUHAS will be a productive, positively memorable and a worthwhile investment in your future career and life in general.



PROF. PASCHALIS G. RUGARABAMU

VICE CHANCELLOR

CUHAS

MISSION AND VISION OF THE CUHAS

Vision of the University

To become an outstanding Tanzanian Catholic University excelling in health care, training and research, that espouses moral and ethical values and are responsive to societal needs.

Mission of the University

Activities of the University will be guided by the following mission statements:

- *To provide skilled and competent human resources in the health sector that is vested with moral and ethical values,*
- *Search, discover and communicate the truth to advance the frontiers of knowledge and*
- *Provide quality services to the community”.*

CUHAS Motto

Discipline, Diligence & Excellence

Core functions

Teaching, Research & Consultancy Services

CUHAS Values

In order to achieve its mission functions and transform the University into a respectable Tanzanian institution, the university management is committed to ensure that the following values will be observed and upheld at all times:

i) Equity and Justice

The CUHAS management through its operations will ensure equal opportunity and exercise social justice and non-discrimination on the basis of gender, race, religion, political affiliation, disability or any other form.

ii) Professional standards, Ethical and Moral norms

The University management, staff and students will uphold the highest professional standards, ethical practices, respect for persons and human dignity.

iii) Academic Excellence

Academic excellence will be a corner stone in all teaching, learning and advancement of frontiers of knowledge as well as by delivery of quality and relevant public services to communities in the country, region and globally.

iv) Academic Freedom

Academic freedom of expression, critical thought and enquiry through openness, transparency and tolerance will be upheld and emphasized.

v) Creativity

The University will work towards enhancing creativity by students and staff by enhancing entrepreneurial skills and capacity to work independently.

vi) Respect for and Abide to the Laws and Constitution of the Country

The University staff and students shall enhance citizenry through abidance to the Tanzanian Constitution and the law of the land.

vii) Foster its Catholic Identity

As a Catholic University, it will uphold catholic ideals, attitudes and principles in its teaching research and service.



ACADEMIC PROGRAMMES

The University offers courses and programmes leading to the award of certificates, diplomas, and degrees at both undergraduate and postgraduate levels. It also offers other programmes, consultancy services and seminars to clients who need them. The following are our academic programmes:

A) CURRENT PROGRAMMES

i. Diploma Programmes

Diploma in Pharmaceutical Sciences	3 years
Diploma in Medical Laboratory Science	3 years
Diploma in Diagnostic Radiography	3 years

ii. Undergraduate programme

Doctor of Medicine (MD)	5 years
Bachelor of Pharmacy (B.Pharm)	4 years
Bachelor of Science in Nursing Education (B.Sc.NED)	[2, 3, 4] years
Bachelor of Medical Laboratory Sciences	3 years
Bachelor of Science in Nursing (B.Sc.N)	[3,4] years
Bachelor of Science in Medical Imaging and Radiotherapy (B.Sc.MIR)	3 years

iii. Postgraduate Programmes

Master of Medicine (MMed) [Internal Medicine, Obstetrics and Gynaecology, Surgery, Paediatrics, Orthopedic and Trauma, ENT, Anatomical Pathology]	3 years
Master of Public Health (MPH)	1 year
Master of Science in Paediatric Nursing	2 years
Master of Science in Clinical Microbiology and Diagnostic Molecular Biology	2 years
Doctor of Philosophy (Ph. D)	3 years

B) PROPOSED PROGRAMMES

i Master of Medicine in Radiology	4 years
ii Master in Occupational and Environmental Health	3 years
iii Master of Science in Clinical Epidemiology and Health Research	2 years
iv Master of Medicine in Clinical Microbiology and Infectious diseases	4 years
vi Master of Medicine in Psychiatry	3 years
viii Master of Medicine in Emergency Medicine	3 years

Students' Admission Criteria



UNDERGRADUATE PROGRAMMES

DOCTOR OF MEDICINE (MD)

Entry Requirements

Direct Entry

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

Equivalent qualifications

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

BACHELOR OF MEDICAL LABORATORY SCIENCES (BMLS)

Entry Requirement

Direct Entry

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

Equivalent Qualifications

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

BACHELOR OF PHARMACY (B. PHARM)

Entry Requirements

Direct Entry (Form Six)

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

Equivalent qualifications:

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

BACHELOR OF SCIENCE IN NURSING EDUCATION (3 YRS COURSE)

Entry Requirements

Equivalent Qualifications

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

BACHELOR OF SCIENCE IN NURSING (4 YRS. COURSE)

Entry Requirements

Three principal passes in Chemistry, Biology and either Physics or Advanced Mathematics or Nutrition with a minimum of 6 points: A minimum of C grade in Chemistry and D grade in Biology and at least E grade in Physics or Advanced Mathematics or Nutrition.

BACHELOR OF SCIENCE IN NURSING (3 YRS. COURSE)

Entry Requirements

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

BACHELOR OF SCIENCE IN MEDICAL IMAGING AND RADIOTHERAPY

Entry requirements

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

Equivalent Qualifications

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

POSTGRADUATE PROGRAMMES

CUHAS is currently offering Master of Medicine (MMED) programmes in the clinical disciplines of Internal Medicine, Surgery, Obstetrics and Gynaecology, and Paediatrics and Child Health. We also offer Master of Public Health, Master of Science in Paediatric Nursing, Master of Science in Clinical Microbiology and Diagnostic Molecular Biology, and PhD programmes in various specialties.

MASTER OF MEDICINE

Entry requirements

- i) A holder of **MD degree** or **its equivalent** from a recognized institution of higher learning
- ii) Must have scored (during the undergraduate final examinations) a grade of B or Higher in the specialty he/she wants to specialize.
- iii) Must have successfully completed internship and obtained a grade of **B or Higher** in the specialty he/she wants to study.
- iv) Must have a valid license to practice as a registered medical practitioner with the Medical Council of Tanganyika (MCT) (or accredited equivalent authority outside Tanzania approved by the MCT) before their enrolment to the programme.
- v) A GPA of at least 2.7 during undergraduate training

MASTER OF PUBLIC HEALTH

Entry Requirements

- i) Holders of MD degree or its equivalent with a pass of B grade or above in Community Medicine and at least one year of working experience.
- ii) Holders of B. Sc. Nursing degree with a pass of B grade or above in Community Medicine and at least one year of working experience.
- iii) Holders of first degree in health-related disciplines (Health officers, Environmental health, Pharmacy or Laboratory sciences) provided they passed with a lower second and have at least one year of working experience
- iv) Holders of Master Degree in health-related disciplines with at least one year of working experience.
- v) A GPA of at least 2.7 during undergraduate training

MASTER OF SCIENCE IN PAEDIATRIC NURSING

Entry Requirements

- i. A GPA of at least 2.7 in Bachelor of Science in Nursing (BScN), or Bachelor of Science in Nursing education (BScNE) or Bachelor of Science in Mental Health Nursing (BScM) or Bachelor of Science in Midwifery (BScMid) or Bachelor of Science in Nursing Management from a recognized University
- ii. Graduates from the other recognized Universities with at least a GPA of 2.7 in their first degrees mentioned above are eligible for selection when **they have fulfilled the following criteria** specified under item iii. and iv, below.
- iii. Graduates mentioned in item i. above should have a minimum of 2 years work experience
- iv. Graduates should have a valid license to practice as registered nurses and midwives with the Tanzania Nurses and Midwives Council (TNMC) before their enrolment to the program

MASTER OF SCIENCE IN CLINICAL MICROBIOLOGY AND DIAGNOSTIC MOLECULAR BIOLOGY

Entry Requirements

- i) Holders of First degree in Medical Laboratory Sciences OR its equivalent with overall GPA not less than 2.7.
- ii) Holders of first degree in Health Sciences with overall GPA not less than 2.7 or B grade for unclassified degrees provided they passed with at least B grade or above in Microbiology/Immunology, Molecular Biology or Biochemistry or Cell Cell biology with at least 200 hrs.
- iii) Holders of Bachelor of Science degree in Biomedical Sciences (Microbiology or Molecular Biology or Immunology or Parasitology or Bachelor in Laboratory Sciences) with an overall GPA not less than 2.7 provided they passed with at least B grade or above in Microbiology/Immunology, Molecular Biology or Biochemistry or Cell Biology.

DOCTOR OF PHILOSOPHY

Requirement for PhD Registration

- (i) The prospective candidate must demonstrate the capacity to carry out research independently and ability to pursue the proposed study programme.
- (ii) A candidate for admission for a PhD must be a holder of a relevant Master Degree (MSc, MPH or MMed) of CUHAS-Bugando or any other recognized institution of higher learning within or outside Tanzania.
- (iii) Doctor of Medicine or BVM/DVM under special MD-PhD or BVM/DVM-PhD Programmes

DIPLOMA PROGRAMMES

The following diploma courses are offered by the Institute of Allied Health Sciences:

- Diploma in Medical Laboratory Sciences (DMLS)
- Diploma in Diagnostic Radiology (DDR)
- Diploma in Pharmaceutical Sciences (DPS)

Entry Requirements

- i) A holder of form VI certificate ('A' Level) with one principal and two subsidiaries in the science subjects of Biology, Chemistry, Physics or Mathematics

OR

- ii) A holder of form IV certificate ('O' Level) of Secondary School Education OR equivalent with three credits Biology, Chemistry, Physics or Mathematics

Equivalent qualification requirement:

1. Laboratory Assistant/Pharmaceutical Assistant/Radiographic Assistant from recognized institution with at least two years of experience in clinical Laboratory Practice/Pharmacy practice/Radiographic practice provided the applicant has two passes in science subjects in ordinary level secondary education.

STUDENTS ADMISSION REQUIREMENTS

For those who qualify and are selected

- a) Payment of a Non-Refundable registration fee to be determined by the University from time to time.
- b) Proof of ability to pay the Annual Fees set by the University. This may be through certified sponsorship or other written proof.
- c) Compliance with any other conditions that the University may deem appropriate.

STUDENTS ADMISSION PROCEDURES

All candidates must complete the prescribed Registration forms, to which should be attached the required supporting documents, within the time specified by the University Announcement.

Financial Information

FINANCIAL INFORMATION

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 payments must be done by using CONTROL NUMBERS. **Failure of payment of Fees by the end of week two of the second semester will attract a penalty of 100,000/= Tshs.** No student will be allowed to carry forward part 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. **Any excess/extra fees paid will be carried forward to the next year. Any refund if necessary will attract a processing fee of 50,000/= Tsh.**

It is envisaged that student can take advantage of scholarships offered by the Ministry of Education and Vocational Training, loans from the Higher Education Student Loan Board (HESLB) and Scholarships from The Ministry of Health and Social Welfare for postgraduate and students in the Institute of Allied Health Sciences.

The following fees will be applicable for the **2021/2022** academic year:

FEE STRUCTURE FOR NATIONAL STUDENTS - UNDERGRADUATE PROGRAMMES (MD, B. PHARM, B.Sc. NED, BMLS, B.Sc. N, AND BSc.MIR)

CUHAS FEE STRUCTURE 2020/21 in '000'					
Figures in Tsh '000	Year 1	Year 2	Year 3	Year 4	Year 5
A. Payable to University					
Tuition	4,400.00	4,300.00	4,300.00	4,300.00	4,300.00
Special Faculty Requirement	150.00	150.00	150.00	150.00	150.00
Exam fee	300.00	230.00	230.00	230.00	230.00
Sustainability Fund	30.00	30.00	30.00	30.00	30.00
TCU Quality Assurance Fee	20.00	20.00	20.00	20.00	20.00
Registration ¹	15.00	15.00	15.00	15.00	15.00
ID card	10.00				
Graduation Fee					50.00
Caution Money	50.00				
Student Union	20.00	20.00	20.00	20.00	20.00
Accommodation	600.00	600.00	600.00	600.00	600.00
Total Cost to University	5,595.00	5,365.00	5,365.00	5,365.00	5,415.00
B. Payable to NHIF					
Medical Capitation	50.40	50.40	50.40	50.40	50.40

NB: 1) GRADUATION FEE (50,000/=) is payable by all finalist at the beginning of the year.

- 2) The University has limited accommodation. Accommodation will be charged as follows:
1,200,000/= per year for a single room, 600,000/= per year for each of two students sharing a room. **NOTE Full Payment should be done after consultation with the WARDEN to guarantee the availability of the rooms.**
- 3) *** **Medical Capitation: Students with recognized and valid Health Insurance Schemes will be refunded 50,400/=**

Moneys Payable to the Student (MD, B. Pharm, B.Sc. NED, BMLS, BScN and BSc.MIR) Courses

The amounts listed below are indicative moneys payable to the student to meet costs for meals, stationery, textbooks, field work and special faculty requirements.

CUHAS will not handle student's personal money. Any extra money included in the fees will be assumed to be prepayments for the subsequent year. All moneys meant for personal use should be paid directly to the student.

(A) Money payable to students doing MD Course

<u>Student Cost (figures in Tsh. '000)</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>
Stationery	100	100	100	100	100
Books	300	300	300	300	300
Elective & Research	0	0	0	560	0
Disertation	0	0	0	0	0
Fieldwork	0	280	280	280	0
Meals	750	750	750	750	750
Total Cost to Student	1150	1430	1430	1990	1150

(B) Money payable to students doing BMLS, BSc.MIR Course

<u>Student Cost (figures in Tsh. '000)</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>
Stationery	100	100	100
Books	300	300	300
Elective & Field	0	0	560
Fieldwork	0	0	280
Meals	750	750	750
Total Cost to Student	1150	1150	1990

(C) Money payable to students doing B.Pharm Course

<u>Student Cost (figures in Tsh. '000)</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>
Stationery	100	100	100	100
Books	300	300	300	300
Elective & Field	0	0	0	560
Fieldwork	0	280	280	0
Meals	750	750	750	750
Total Cost to Student	1150	1430	1430	1710

(D) Money payable to students doing BSc. NED/ BSc. Nursing

BSc. NED Conversion programme

<i>Student Cost (figures in Tsh. '000)</i>	<i>Year 1</i>	<i>Year 2</i>
Stationery	100	100
Books	300	300
Elective &Field	0	0
Fieldwork	280	280
Meals	750	750
<i>Total Cost to Student</i>	1430	1430

BScNED 3 & 4-year programme

<i>Student Cost (figures in Tsh. '000)</i>	<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Year 4</i>
Stationery	100	100	100	100
Books	300	300	300	300
Elective &Field	0	0	0	0
Fieldwork	0	280	560	0
Meals	750	750	750	750
<i>Total Cost to Student</i>	1150	1430	1710	1150

BSc. N 3-year programme

<i>Student Cost (figures in Tsh. '000)</i>	<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>
Stationery	100	100	100
Books	300	300	300
Elective &Field	0	0	0
Fieldwork	0	280	560
Meals	750	750	750
<i>Total Cost to Student</i>	1150	1430	1710

BSc. N 4-year programme

<i>Student Cost (figures in Tsh. '000)</i>	<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Year 4</i>
Stationery	100	100	100	100
Books	300	300	300	300
Elective &Field	0	0	0	0
Fieldwork	0	0	280	280
Meals	750	750	750	750
<i>Total Cost to Student</i>	1150	1150	1430	1430

**FEE STRUCTURE FOR FOREIGN STUDENTS- UNDERGRADUATE PROGRAMMES
(MD, B. PHARM, B.SC. NED, BMLS, B.Sc.N, B.Sc.MIR)**

Fees Payable to the University

<i>Figures in US\$</i>	<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Year 4</i>	<i>Year 5</i>
Tuition	3,500	3,500	3,500	3,500	3,500
Exam fee	120	120	120	120	120
Graduation fee	0	0	0	0	25

Admission/Administrative fee	0	0	0	0	0
Sustainability Fund	15	15	15	15	15
Registration	10	10	10	10	10
ID card	10	0	0	0	0
Medical	100	100	100	100	100
Caution Money	25	0	0	0	0
Equipment/ Special Faculty Requirement	75	75	75	75	75
Accommodation	400	400	400	400	400
<i>Total Cost to University</i>	4,255	4,255	4,255	4,255	4,280

NB: 1) GRADUATION FEE (25 US \$) is payable by all finalist at the beginning of the year.

Moneys Payable to the Student MD course

<i>Figures in US\$</i>	<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Year 4</i>	<i>Year 5</i>
Student Union	40	40	40	40	40
Stationery	200	200	200	200	200
Books	500	500	500	500	500
Elective &Field	0	0	0	1000	0
Fieldwork	0	700	700	0	0
Meals	1,250	1,250	1,250	1,250	1,250
<i>Total Cost to Student</i>	1,990	2,690	2,690	2,990	1,990

Total Costs

<i>Figures in US\$</i>	<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Year 4</i>	<i>Year 5</i>
Money payable to the University	4,210	4,175	4,175	4,175	4,200
Money payable to Students	1,990	2,690	2,690	2,990	1,990
GRAND TOTAL	6,200	6,865	6,865	7,165	6,190

FEE STRUCTURE FOR POSTGRADUATE PROGRAMMES

MMED Fee Structure (National)

Fees Payable to the University

CUHAS FEE STRUCTURE 2020/21 MMED '000'			
Figures in TSh '000	Year 1	Year 2	Year 3
A. Payable to University			
Tuition	5,300	5,200	5,200
Equipment/ Special Faculty Requirement	200	200	200
Exam fee	350	280	280
Sustainability Fund	30	30	30
TCU Quality Assurance Fee	20	20	20
Registration	25	25	25
ID card	10		
Graduation Fee			50
Caution Money	50		
Student Union	20	20	20
Accommodation	1,200	1,200	1,200
Total Cost to University	7,205	6,975	7025
B. Payable to Students			
Stationery	250	250	250
Books	600	600	600
Elective & Research	-	2,500	-
Disertation	-	500	-
Meals	9,600	9,600	9,600
Total Cost to Student	10,450	13,450	10,450

NB: 1) GRADUATION FEE (50,000/=) is payable by all finalist at the beginning of the year.

NB: 2) There is limited accommodation at CUHAS at a cost of 1,200,000/= Tshs. without utility (electricity and water) charges. Utility can cost up to 500,000/= Tshs. per year.

MMED Fee Structure (Foreign)

Fees Payable to the University

CUHAS FEE STRUCTURE 2020/21 MMED(US Dollars)			
Figures in USD	Year 1	Year 2	Year 3
A. Payable to University			
Tuition	4,500	4,500	4,500
Equipment/ Special Faculty Requirement	100	100	100
Exam fee	175	140	140
Sustainability Fund	15	15	15
TCU Quality Assurance Fee	0	0	0
Registration	20	20	20
ID card	10		
Graduation Fee			50
Caution Money	25		
Student Union	10	10	10
Accommodation	800	800	800

Total Cost to University	5,655	5,600	5,635
<u>B. Payable to Students</u>			
Stationery	240	240	240
Books	750	750	750
Elective & Research	-	1,750	-
Disertation	-	450	-
Meals	4,500	4,500	4,500
Total Cost to Student	5,490	7,690	5,490

NB: 1) GRADUATION FEE (25 US \$) is payable by all finalist at the beginning of the year

Master of Science in Paediatric Nursing (MSc.PN) and Master of Science in Clinical Microbiology and Diagnostic Molecular Biology (MSc.CMDM) Fee Structure (National)

Fees Payable to the University

CUHAS FEE STRUCTURE 2020/21 MScPN/MScCMDM '000'		
<i>Figures in TSh '000</i>	Year 1	Year 2
<u>A. Payable to University</u>		
Tuition	5,100	5,000
Equipment/ Special Faculty Requirement	200	200
Exam fee	350	230
Sustainability Fund	30	30
TCU Quality Assurance Fee	20	20
Registration	25	25
ID card	10	
Graduation Fee	0	50
Caution Money	50	0
Student Union	20	20
Accommodation	1,200	1,200
Total Cost to University	7,005	6,825
<u>B. Payable to Students</u>		
Stationery	250	250
Books	600	600
Elective & Research	-	3,000
Disertation	-	500
Fieldwork	-	-
Meals	9,600	9,600
Total Cost to Student	10,450	13,950

NB: 1) GRADUATION FEE (50,000/=) is payable by all finalist at the beginning of the year.

NB: 2) There is limited accommodation at CUHAS at a cost of 1,200,000/= Tshs. without utility (electricity and water) charges. Utility can cost up to 500,000/= Tshs. per year.

MPH Fee Structure (National)

Fees Payable to the University

CUHAS FEE STRUCTURE 2020/21 MPH '000'	
Figures in TSh '000	Year 1
A. Payable to University	-
Tuition	7,150
Exam fee	450
Sustainability Fund	30
TCU Quality Assurance Fee	20
Registration	25
ID card	10
Graduation Fee	50
Caution Money	50
Equipment/ Special Faculty Requirement	200
Student Union	20
Accommodation	1,200
Total Cost to University	9,205
B. Payable to Students	
Stationery	250
Books	600
Elective & Research	2,500
Disertation/Accommodation IAHS	500
Meals	9,600
Total Cost to Student	13,450

NB: (i) *Additional fee of 700,000/= is charged for evening program.*

(ii) *There is limited accommodation at CUHAS at a cost of 1,200,000/= Tshs. without utility (electricity and water) charges. Utility can cost up to 500,000/= Tshs. per year.*

MPH Fee Structure (Foreign)

Fees Payable to the University

Figures in US \$	Year 1
Tuition	5,000
Exam fee	175
Graduation Fee	25
Admission/Administrative	75
Sustainability	15
Registration	15
ID card	10
Medical	0
Caution Money	25
Special faculty Requirements	100
Accommodation	800
<i>Total Cost to University</i>	<i>6,240</i>

Moneys Payable to the Student

B. Student Cost (Figures in US \$)	Year 1
Student Union	20
Stationery	150
Books	400
Research	1000
Dissertation	250
Fieldwork	0
Meals/ Stipend	2,700
<i>Total Cost to Student</i>	4,520

Total Costs

Total Cost (US \$)	Year 1
Money Payable to University	6,240
Money Payable to Students	4,520
GRAND TOTAL	10,760

PhD Fee Structure

CUHAS FEE STRUCTURE 2020/21 PhD '000'			
<i>Figures in TSh '000</i>	Year 1	Year 2	Year 3
<u>A. Payable to University</u>			
Tuition	6,700	6,600	6,600
Equipment/ Special Faculty Requirement	300	300	300
Exam fee	350	350	350
Sustainability Fund	30	30	30
TCU Quality Assurance Fee	20	20	20
Registration	40	40	40
ID card	10		
Graduation Fee	0	0	50
Caution Money	100	0	0
Student Union	20	20	20
Accommodation	1,200	1,200	1,200
Total Cost to University	8,770	8,560	8,610
<u>B. Payable to Students</u>			
Stationery	240	240	240
Books	750	750	750
Elective & Research	10,000	10,000	10,000
Dissertation	450	450	450
Fieldwork	-	-	-
Meals	9,600	9,600	9,600
Total Cost to Student	29,610	29,500	29,550

IAHS Fee Structure

FEE STRUCTURE FOR NATIONALS DIPLOMA PROGRAMMES- IAHS (DDR, DMLS& DPS)

CUHAS FEE STRUCTURE 2020/21 '000'			
Figures in TSh '000	Year 1	Year 2	Year 3
<u>Payable to University</u>	-	-	-
Tuition	1,850.00	1,850.00	1,850.00
Equipment/ Special Faculty Requirement	150.00	150.00	150.00
Exam fee	240.00	170.00	170.00
Sustainability Fund	30.00	30.00	30.00
NACTE Quality Assurance Fee	20.00	20.00	20.00
Registration	10.00	10.00	10.00
ID card	10.00	0.00	0.00
Graduation Fee			50.00
Caution Money	50.00	0.00	0.00
Student Union	20.00	20.00	20.00
Total Cost to University	2,380.00	2,250.00	2300.00
<u>B. Payable to NHIF</u>			
Medical Capitation	50.40	50.40	50.40
<u>C. Payable to Students</u>			
Stationery	50.00	50.00	50.00
Books	150.00	150.00	150.00
Elective & Research	0.00	0.00	0.00
Accommodation IAHS	480.00	480.00	480.00
Fieldwork	600.00	600.00	600.00
Meals	600.00	600.00	600.00
Total Cost to Student	1,880.00	1,880.00	1,880.00

- NB:**
- 1) Limited accommodation is available at BMC at a cost of 480,000/= Tshs per year payable in full or in instalments at the beginning of the academic year. **NOTE Payment should be done after consultation with the WARDEN to guarantee the availability of the rooms.**
 - 2) The University does not provide meals to students, however, there are several cafeterias within the compound for reasonable prices.
 - 3) The cost of accommodation and meals is about 7,500/= Tshs. per day

Supplementary Examination Fees

Candidates appearing for supplementary examinations will be required to pay supplementary fee as shown on the table below:

SN	Course	Fees per Subject (Tshs)	Year Cost per subject (Tshs)
1	MD1	45,000	600,000.00
2	MD2	30,000	400,000.00
3	MD3	80,000	1,065,000.00
4	MD4	65,000	865,000.00
5	MD5	40,000	530,000.00
6	BMLS 1	30,000	400,000.00
7	BMLS2	40,000	530,000.00
8	BMLS3	40,000	535,000.00
9	BPHARM 1	40,000	535,000.00
10	BPHARM 2	40,000	535,000.00
11	BPHARM 3	55,000	735,000.00
12	BPHARM 4	55,000	735,000.00
13	BSN 1	40,000	535,000.00
14	BSN 2	30,000	400,000.00
15	BSN 3	55,000	735,000.00
16	BSN 4	45,000	600,000.00
17	BSMIR 1	30,000	400,000.00
18	BSMIR2	40,000	530,000.00
19	BSMIR3	40,000	535,000.00
20	DDR1	10,000	135,000.00
21	DDR2	10,000	135,000.00
22	DDR3	15,000	200,000.00
23	DPS1	15,000	200,000.00
24	DPS2	10,000	135,000.00
25	DPS3	10,000	135,000.00
26	DMLS1	15,000	200,000.00
27	DMLS2	10,000	135,000.00
28	DMLS3	10,000	135,000.00
29	MMed1	160,000	1,600,000.00
30	MMed2	160,000	1,600,000.00
31	MMed3	160,000	1,600,000.00
32	MPH	215,000	2,150,000.00
33	MSPN 1	150,000	1,500,000.00
34	MSPN 2	150,000	1,500,000.00
35	MSCMDM 1	150,000	1,500,000.00
36	MSCMDC 2	150,000	1,500,000.00

Registration Information



REGISTRATION INFORMATION

- 1 No student shall be allowed to register or attend classes unless the required fees have been paid.
- 2 New students must register within the first two weeks of the academic year. For purposes of registration a new student must submit originals of documents he/she had submitted as credentials in support of his/her application for admission.
- 3 Continuing students must complete registration formalities within the first two weeks of the academic year.
- 4 Any late registration is liable to a penalty of Tshs. 100,000/=.
- 5 **Students shall be registered under the names appearing in the certificates they submitted for their applications. Once registered, names may not be changed unless legal procedures are followed, and no change of names will be allowed in the final year of study.**
- 6 Student must register for the course programme into which they have been admitted.
- 7 No student shall be allowed to postpone studies after the academic year has begun except under special circumstances. Permission to postpone studies and resume studies later shall be considered after the student has produced satisfactory evidence of the reasons for postponement. Special circumstances shall include ill health or serious social problems.
- 8 No student shall be allowed to postpone studies during the two weeks preceding final examinations, but may for valid reasons be considered by DVC-ARC for postponement of examinations.
- 9 A student discontinued from a programme/course on academic ground shall not be re-admitted for the same programme/course until two years have elapsed.
- 10 A student discontinued from studies on disciplinary grounds shall not be re admitted to the University.
- 11 Students may be allowed to be away from studies for a maximum period of two years in the case of undergraduate programmes and one year for postgraduate students, if they are to be allowed to be re-admitted to the same year of studies where they left off.
- 12 Students shall commit themselves in writing to abide by the university's Charter, rules and Regulations as from time to time prescribed. A copy of the students' Rules and Regulations shall be made available or adequate notice will be given to students.
- 13 Students shall be issued identification cards, which they must carry at all times and which shall be produced when demanded by appropriate University officers. The identity card is not transferable and any fraudulent use may result in loss of student privileges or suspension.
- 14 Loss of the identity card should be reported immediately in writing to the office of Deans of Students, where a new one can be obtained after paying an appropriate fee (currently Tshs10,000/=).
- 15 A student enrolled for any programme at CUHAS may not enroll concurrently in any other institution. However, students of CUHAS may be allowed to participate in courses offered by any institution leading to professional Certification after consulting the Head of the Department, the Faculty and Senate.
- 16 Students wishing to transfer to CUHAS will be allowed to do so, as long as they conform to TCU credit transfer guidelines; and will have to spend not less than three quarters of the duration required to complete the specific course.

Examination Regulations



EXAMINATION REGULATIONS

GENERAL UNIVERSITY EXAMINATION REGULATIONS

1.1 Form of Examination

The form of examinations shall include written, practical and oral examinations. The weighting of each shall be as determined under School/Departmental specific Examination Regulations approved by the Senate upon recommendation of the School Board.

1.2 Time of Examinations

University examinations shall be conducted at the end of every semester in accordance with the University regulations. Students must bring their examination cards and identity cards with them to the examination room.

1.3 Registration for Examinations

Bonafide students shall be entitled to sit for the university examinations for the courses in which they are registered unless advised otherwise in writing by competent university authority. If a candidate sits for examinations for courses for which he/she is not registered, his/her results in that examination shall be nullified.

1.4 Eligibility for Examinations

1.4.1 No candidate shall be allowed to sit for an examination in any subject if he/she has not completed the requirements of the course by attendance or otherwise as stipulated by the specific School or Department regulations governing a course of study. If such a candidate enters the examination room and sits for the paper, his/her results in that paper shall be nullified. A student must have been **present for at least 85% of the classes** to be allowed to sit for final examination in each subject.

1.4.2 Unless otherwise specified a candidate must do continuous assessment test for each specified module before the end of semester examination in the respective subject.

1.4.3 A candidate whose course work or progress is considered unsatisfactory may be required by Senate on recommendation of the appropriate School Board to withdraw from studies or to repeat any part of the course before admission to an examination.

1.5 Late Assignments and Examinations

Each School is asked to state in the course outline policy concerning acceptance of late assignments and examinations in the course. Normally, such work can be made up only for a good reason (e.g. serious illness, death of the immediate family, etc.). In no case will examinations be given early.

If circumstances warrant, they may be given late and the student may be charged a grade penalty and/or a late examination fee which will be determined by the University Council.

1.6 Absence from Examinations

Absconding from examination includes not reporting for a scheduled examination at the time, day and place specified without prior permission. It also includes going out of the examination room, temporarily or otherwise without authorization or permission of the invigilator or one of the invigilators for the examination in question. It also includes staying out of the examination room for a longer period than the one specified by the invigilator or one of the invigilators for the examination in question.

A candidate who absconds a scheduled examination deliberately or without a just reason to be determined by the senate shall be discontinued from studies. When a just reason is admitted, a written permission will be issued to the affected student allowing him/her to sit at the time of the next supplementary examinations.

1.7 Falling sick immediately before or during Examination

If a candidate falls sick immediately before or during the time of the scheduled examination and is medically unable to proceed (i.e. as certified by the authorized medical officer), he/she will be advised by the School Dean to postpone the examination until an appropriate time to be arranged by respective Department through the School or Institute. Any student who is sick and nevertheless decides to take an examination takes it at his/her own risk and must abide by the results of the examination.

1.8 Reporting late for Examination

1.8.1 A candidate who without a just reason in the discretion of the invigilator reports late for an examination (more than 30 minutes) shall be regarded as having failed in that examination but will be allowed to do supplementary examination and will be awarded a minimum passing grade of 'C'.

1.8.2 A candidate who, for a just reason, reports late for an examination and pleads in writing to take the examination may, subject to the discretion of the invigilator, be allowed to do the examination at his/her own risk. If such a candidate fails in that examination, he/she may be allowed to do a supplementary examination. If permission is not granted by the invigilator to do the examination, such candidates will be allowed to do a special examination at an appropriate time to be arranged by the respective department through the School or Institute, and a late examination fee shall be duly charged against him or her.

1.8.3 All cases of late arrivals for examinations shall be reported in writing by the invigilator to the Head of Department.

1.9 Dates of Examinations

Examinations in all Faculties/Schools/Institutes shall be held at a time to be determined by the Senate, which shall normally be during the last week(s) of a semester, and/or last month of the academic year.

1.10 Supplementary Examination

Candidates who are permitted to take a supplementary examination will be re-examined in the designated subjects at a time to be determined by the School Board. A Pass in supplementary shall be recorded as a minimum passing grade of 'C'. Examination regulations from specific programme shall also apply

1.11 Repeating the year

A candidate may be allowed to repeat a year if she or he has attained a GPA specified by the respective school or institute. GPA calculation should base on subject weights. No candidate will be allowed to repeat any one-year of study more than once.

1.12 Delays in Completing Research Thesis

A student who fails to complete the research thesis by the specified date shall be given an additional year to complete it. If the candidate fails to complete the thesis after the additional year shall be required to do a different research provided his/her registration limit will not be exceeded.

1.14 Conduct of Examinations

University examinations shall be conducted under the control of the Deputy Vice Chancellor for Academic Affairs (DVC-ARC), Deans of Faculties/Schools, and Heads of Departments, or such other Officer of the University as the Deputy Vice Chancellor for Academic Affairs shall appoint.

1.15 Appointments of Examiners

The examiners for University examinations shall be appointed by the Senate or DVC-ARC, upon recommendation of the Schools.

1.16 Board of Examiners

Every University examination shall be conducted by a Board of Examiners, consisting of:

- A. One or more external examiners appointed from outside the University by the Senate together with teachers who participated in teaching the candidates in the subjects under examination.
- B. Examiners may be appointed from within the university/college for the supplementary/special examinations under the supervision of a moderator who took no part in teaching the candidates the subjects(s) under examination.

1.17 External Examiners' Honorarium

External Examiners shall receive such honoraria as the Council shall prescribe.

1.18 Examination Irregularities or Academic Dishonesty *(This also applies to continuous assessment tests)*

- (a) All cases of examination irregularities on the part of students or invigilators or any member of staff shall be referred to the Examinations Committee through the head of department and the respective School dean. The Committee shall have power to summon students and members of staff, as it deems necessary. The chairman shall submit a report of its findings and recommendations to the Senate, which shall decide what further action to take.
- (b) For avoidance of doubt, examination irregularities shall include, but are not limited to, the following:
 - (i) A candidate found with unauthorized material/information in any part of the examination process; inside the examination room or in the premises surrounding the examination room. The premises surrounding the examination room include the examination room, toilets and areas within 20 meters.
 - (ii) A candidate with written or drawn examination related materials on his or her body, shoes and clothes.
 - (iii) A candidate copying from another candidate's work.
 - (iv) A candidate cheating by using or copying from unauthorized material.
 - (v) A candidate cheating or plagiarizing in research dissertation/thesis or report (eg elective field report, case study report etc).
 - (vi) A candidate communicating with another candidate by giving or obtaining unauthorized assistance or attempting to do so.
 - (vii) A candidate doing or attempting to do an examination on behalf of another candidate.
 - (viii) A candidate requesting or buying or stealing examination questions from examiners or from examination office or fellow students, or attempting to do so. In clinical examinations, this includes getting to know cases or patients set for examination.
 - (ix) A candidate colluding with another candidate who is involved in examination irregularities. This includes refusing to disclose the irregularity incident he or she witnessed eg refusing to sign the incidence form.
 - (x) A candidate refusing to obey a lawful order by an invigilator.
 - (xi) A candidate or member of staff who behaves or acts in such manner as would disrupt the examination process.
 - (xii) Submitting or attempting to submit answer sheet(s) or booklet(s) which were not written in the examination room.
 - (Xiii) An invigilator or examiner violating examination regulations.

(c) Any candidate who is found guilty of deliberately involved in examination irregularities or dishonest shall be discontinued from studies.

(d) A member of staff alleged of examination dishonest shall be referred to disciplinary authority for further measures

(e) In all cases of examination irregularity provisions of natural justice as prescribed in rule 85 of the first Schedule of the Charter of Incorporation are to be adhered to.

2 SPECIFIC EXAMINATION REGULATIONS FOR CANDIDATES:

These instructions should be read together with the above University General Examination Regulations.

- 2.1 Candidates should make sure that they have been issued Examination Numbers before examinations begin.
- 2.2 Candidate shall be responsible for consulting the final Examination Time Tables for any changes. Failure to sit examination(s) for a reason of changes in timetable will not be entertained.
- 2.3 Candidates shall be seated 30 minutes before starting time, and no student shall be allowed into the examination room after the starting time, except for a compelling reason, without prejudice to regulation to 2.16 below.
- 2.4 Candidates must not begin writing before they are told to do so by the invigilator.
- 2.5 Candidates are allowed to carry only pens, pencils or other materials explicitly prescribed by the Department.
- 2.6 Candidates who will not observe CUHAS-Dress Code will not be allowed to enter examination room.
- 2.7 Candidates are **not allowed to enter the examination room**, with books, cellular or mobile phone, handbags, clipboards, purses, papers, magazines, radios, radio cassette or other types of cassette players, digital watches, computers, soft and alcoholic drinks and any other material as may be specified from time to time by the Deputy Vice Chancellor responsible for Academic Affairs.
- 2.8 In case candidates are allowed to come with specified items into the examination room, no borrowing from one another shall be allowed during the examinations except with invigilator's permission. Items allowed into the examination room shall be liable to inspection by the invigilator.
- 2.9 Each answer in an examination shall begin on a fresh page of the examination booklet. All rough work must be done in the booklet and crossed out. Candidates are not allowed to sign their names anywhere in the examination booklets.
- 2.10 All candidates shall observe silence in the examination room
- 2.11 No food or drink shall be allowed into the examination room
- 2.12 Invigilators shall have power to specify or change the sitting arrangement in the examination room; or to require inspection of a candidate; or to confiscate an unauthorized material brought into the examination room; and shall have power to expel and report from the examination room any candidate who creates disturbance and record the incident to the examination office and head of Department.
- 2.13 In case of alleged cheating, the candidate and one or more invigilators shall be required to sign an Examination Incident Form which, together with other signed exhibits, as the case may be, and the candidate's examination booklet, shall be submitted to the Head of Department.
- 2.14 A candidate caught contravening the Examination Regulations shall not be allowed to continue with the examination for which he/she is scheduled.
- 2.15 Candidates are strongly warned that cheating or being caught with unauthorized material contravenes the University General Examination Regulations and leads to discontinuation from studies.
- 2.16 All candidates shall sign the Attendance Form at the beginning and the Submission Form at the end of every examination.

- 2.17 No candidate will be permitted to enter the examination room after lapse of thirty minutes from the commencement of the examination and no candidate will be allowed to leave his/her place during the examination, except as indicated below (2.18).
- 2.18 A candidate wishing to answer a call of nature may by permission of the invigilator and under escort leave the examination room for a reasonable period.
- 2.19 A candidate who walks out of an examination in protest shall be disqualified from that particular examination.
- 2.20 At the end of the examination period, and on instruction from the invigilator, candidates must stop writing and assemble their scripts, which they should personally hand to the invigilator. They shall remain seated until all are allowed by the invigilator to leave.
- 2.21 Candidates are not allowed to take any examination material out of the examination room, unless specifically permitted by the invigilator of the respective examination. (This also applies to Continuous Assessment Tests)
- 2.22 Detailed instructions on the question papers should be followed.
- 2.23 Students who are required to do supplementary examinations or special examinations will be officially notified using their respective Examination Number on the University's notice board and website www.bugando.ac.tz or through any public means of communication. Students should also leave their latest contacts such as telephone numbers or e-mails to facilitate communication.
- 2.24 Students must understand that the ultimate responsibility for taking the supplementary examination precisely at the time when they are given rests with the student.

3 GUIDANCE FOR INVIGILATORS

3.1 Appointment of invigilators

- 3.1.1 Examination officer in collaboration with the directorate of quality assurance will appoint invigilators

3.2 Before the Examination

- 3.2.1 Invigilators should personally collect from the Examination Office sealed envelopes containing question papers and any other material prescribed in the rubrics at least thirty minutes before the examination
- 3.2.2 Invigilators shall be present in the examination room at least 30 minutes before the commencement of the examination,
- 3.2.3 Invigilators should admit candidates to the examination room at least 30 minutes before the commencement of the examination and ensure that students take the right places.
- 3.2.4 During these fifteen minutes, the invigilator should
 - a. Make an announcement to the effect that unauthorized materials are not allowed in the examination room.
 - b. Make an announcement to the effect that candidates should satisfy themselves that they are in possession of the correct paper
 - c. Tell the students to note any special rubric at the head of the paper.
 - d. Tell students when they may begin writing. Candidates will normally be allowed five minutes to read the paper.

3.3 During the Examination

- 3.3.1 Except for a just reason, invigilators should not admit candidates to the examination room after thirty minutes have elapsed from the commencement of the examination and should not permit candidates to leave the examination room until one hour has expired.
- 3.3.2 By the end of thirty minutes from the commencement of the examination the invigilators should have a written list on the Examination Attendance sheet of the names of all the candidates present.
- 3.3.3 Invigilators should ensure that only one answer-book is provided for each candidate.

- 3.3.4 Candidate may be permitted to do rough work in the examination booklet on the understanding that rough work is crossed out.
- 3.3.5 Invigilators shall report immediately after the examination to the Head of Department any candidate who contravenes the Examination Regulations and instructions, especially by irregular practices, as spelt out in Regulation 1.18 above
- 3.3.6 In case of alleged examination irregularity, the invigilator shall require the candidate to sign an examination incident report and any other materials pertinent to the incident to confirm that they are his/hers. The invigilator also shall sign and submit to the Head of the Department the Examination Incident Report, together with the candidate's examination booklet and all pertinent materials.
- 3.3.7 The Head of the Department through the School Dean will submit a full written report on the incident to the Examinations Committee.
- 3.3.8 The processing of an alleged case of cheating or other irregularity shall be carried out as expeditiously as possible.
- 3.4 At the End of Examination**
- 3.4.1 Invigilators shall tell the candidates to stop writing and assemble their examination scripts.
- 3.4.2 Invigilators shall not permit the candidates to leave their places before their scripts have been collected.
- 3.4.3 Candidates shall sign the Examination Attendance Sheet when they turn in their script.
- 3.4.4 Invigilators shall enter the number of candidates' scripts collected and/or received on the Attendance Sheet and sign it.
- 3.4.5 Examination officer shall report to the DVC-ARC any invigilator who fails to fulfil his/her duty faithful (e.g., does not abide to regulations, fails to turn up, etc.)

4 COMMON ACADEMIC REGULATIONS

4.1 Introduction

The common academic regulations cover Appeals, Grading System, Certificates and Transcripts, Carry over Courses, Graduation Requirements, and Common Courses.

4.2 Appeals against Academic Decisions

- 4.2.1 Well-grounded appeals supported with substantive and documented evidence against any academic decision or recommendation shall first be lodged with the appellant's Faculty Dean, who shall forward it to Senate with the Faculty Board's observations and recommendations. The appeal by the student should be submitted within seven (7) days from the day the results were posted or a decision was communicated to the affected student. The decision of Senate shall be final.
- 4.2.2 In case of examinations scores and grades, the Board of Examiner's recommendation shall be final except where well-authenticated claim for unfair marking or disregard for examination regulations is raised by the affected student. In such a case, findings and observations to the Examinations Committee for detailed discussion. It makes recommendation to the Senate, whose decision shall be final
- 4.2.3 A student who is dissatisfied with a grade obtained in a particular examination may apply for remarking of the examination paper to the Head of the Department in which the course was offered. The application should be made not less than one week after the release of the examination grades by the DVC-ARC or the individual instructor. A valid justification for the request must be given in writing. The Head of the Department and members of the faculty will then review the case to see if remarking is warranted. An examiner other than the one who initially marked the script will remark the paper. The grade after remarking the paper will be final regardless of whether it is lower or the same as the first grade. The student may not request for a second remarking of the same script. The grade will be communicated to the student by the DVC-ARC or the head of the Department.

- 4.2.4 No appeal whatsoever pertaining to the conduct of any University examinations and the marking of the scripts thereof shall be entertained unless such an appeal is lodged with the appropriate University authorities within seven days of the date of publication of the results by or under the authority of the Senate.
- 4.2.5 All appeals regarding semester examination should be accompanied by a fee of ten thousand shillings (Tshs. 10,000/=) for Diploma students for each course, and of twenty thousand shillings (Tshs. 20,000/=) for undergraduate and postgraduate students. The fee is non-refundable.
- 4.3 Grading System**
As appears under the specific regulations for each programme
- 4.4 Publication of Examination Results**
The Dean of the respective school may, after the School Board meeting, publish the examination results provisionally subject to confirmation of the results by the Senate upon the recommendation of the School Board
- 4.5 Withholding or Cancellation of Results**
- 4.5.1 The Senate may, where a candidate has failed to fulfill a fundamental contractual or legal obligation with CUHAS or a breach of the same e.g. not paying fees or outstanding dues or where is dishonesty or fraud, bar him or her from doing examination or withhold examination results until he/she discharges the obligation or is exonerated from the wrong.
- 4.5.2 The Senate may cancel results of student(s) where there is evidence of fraud or examination leakage.
- 4.6 Graduation**
With the approval of the Senate, students who complete and fulfill the requirements of the programme will graduate on the day determined by the senate. Graduation attire will be hired for three days at fifty thousand shillings (50,000/=) for degree and for diploma graduands. Any late return of the graduation attire shall be charged at ten thousand shillings (10,000/=) a day.
- 4.7 Certificates and Academic Transcripts**
Persons applying to the Deputy Vice Chancellor for Academic Affairs for academic transcript shall be charged a fee of 20,000/=Tshs. A dully completed clearance form and original transcript fee receipt must be submitted along with a passport size photograph for preparation of transcripts.
- 4.8 Loss of Certificates**
The University may issue another copy in case of loss or destruction of the original certificated on condition that:
- (i) The applicant produces a sworn affidavit testifying to the loss or destruction
 - (ii) The applicant must produce evidence that the loss has been adequately publicly announced
 - (iii) The replacement certificate will not be issued until 12 months from the date of loss.
 - (iv) A fee of Tshs 50,000/= shall be charged for the copy of the certificate issued.
- 4.9 Carry over courses**
Carryover of a failed course into a subsequent year shall imply repeating the failed course in the subsequent year by fulfilling all the requirements of the course. Carryover of elective courses will be allowed only in exceptional circumstances, normally only when those units are needed to comply with regulations. All carried over courses shall be cleared within the allowable maximum period of registration; otherwise the student is discontinued from studies. The maximum period of registration is as specified under the specific programmes.

Weill Bugando School of Medicine (WBSOM)



Dr. Haruna Dika,
MD (UDSM); M.Sc. (Makerere), PhD (Calgary)

The Weill Bugando School of Medicine (WBSOM) was the first School envisaged and established by the Tanzania Episcopal Conference (TEC) at BUGANDO. The WBSOM offers programmes upon which hinges the Mission of the University in its quest to enable Tanzania to produce enough doctors and other health professionals to achieve a satisfactory level of “Health for All” in the foreseeable future. These programmes are Doctor of Medicine (MD) and Bachelor of Medical Laboratory Sciences (BMLS)

VISION

To become an outstanding Tanzanian Catholic School excelling in health care, training and research and responsive to societal needs.

MISSION

1. To provide skilled and competent human resources in the health sector that is vested with moral and ethical values
2. Search, discover and communicate the truth to advance the frontiers of knowledge.
3. Provide quality services to the community.

DOCTOR OF MEDICINE (MD)



BACKGROUND

The MD training programme is the most pivotal upon which hinges the Mission of the University in its quest to enable Tanzania to produce enough doctors and other health professionals to achieve a satisfactory level of "Health for All" in the foreseeable future. As it is the current trend in other University Medical Universities in Tanzania and elsewhere –to semesterize and modularize all academic programmes, CUHAS - Bugando has adopted a similar model for its programmes.

The School of Medicine is the first of several Schools and other Institutes that were envisaged under the BUCHS project which the Tanzania Episcopal Conference (TEC) conceived in 1994.

The MD training programme is the most pivotal upon which hinges the Mission of the University in its quest to enable Tanzania to produce enough doctors and other health professionals to achieve a satisfactory level of "Health for All" in the foreseeable future. As it is the current trend in other University

Medical Universities in Tanzania and elsewhere –to semesterize and modularize all academic programmes, CUHAS - Bugando has adopted a similar model for its programmes.

2.0 OBJECTIVES

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

The graduate therefore should be able to:

- 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 in a health centre.
- 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.
- 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.
- Organize and provide routine and emergency, preventive and curative medical care for the individual by:
 - Knowing the normal structure, function, development and growth of the human body and personality.
 - Recognizing disorders and abnormalities of structure, function, development and growth of the human body and personality
 - Examining patients both clinically and with the relevant investigative procedures.
 - Evaluating the results of the examination and investigations and reaching an appropriate diagnosis.
 - Administering to the patients the appropriate medical/pediatric/surgical/mental health/gynecological and obstetric care and treatment.
 - Training and directing the health team in all of the above as required.
 - 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.
 - Recognize the limit of his/her competence and refer such issues to higher levels.

3.0 CURRICULUM TEACHING AND LEARNING METHODS

CUHAS-BUGANDO has established a well set up and managed Computing Center, linked to the Internet, which will provide “Student Centered Learning” (SCL), as well as “Problem Based Learning”(PBL), in addition to the more conventional MD Curriculum Teaching and Learning methods.

4.0 STRUCTURE OF MODULES FOR THE SEMESTER SYSTEM

Code	Course Title	Theory		Practical/seminars		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
Year 1 (Semester I) 25.9 Units							
AN 100	Anatomy	129	8.6	232	5.2	361	13.8
BC 100	Biochemistry	148	9.9	40	0.9	189	10.8
TOTAL		277	18.5	272	6.1	550	24.6
YEAR I (Semester II) 25.7 Units							
PH 100	Physiology	115	7.7	74	1.6	189	9.3
BS 100	Behavioral Sciences	134	8.9	74	1.6	208	10.5
DS 100	Development Studies	60	4.0	30	0.6	90	4.6
TOTAL		309	20.6	178	3.8	487	24.4
YEAR 2 (Semester III) 27.5 Units							
MM 200	Microbiology/ Immunology	114	7.6	76	1.7	190	9.3
PE 200	Parasitology / Entomology	91	6.0	61	1.3	152	7.3
PH 200	Clinical physiology	57	3.8	0	0	57	3.8
DS 200	Development Studies	65	4.3	30	0.7	95	5.0
TOTAL		327	21.7	167	3.7	494	25.4
YEAR 2 (Semester IV) 32.9 Units							
MP 200	Pathology	229	15.3	76	1.7	305	16.9
ER 200	Epidemiology & Research Methodology	65	4.3	167	3.7	232	8.0
EF 200	Nutrition Field Project	50	3.3	90	2.0	140	5.3
CM 200	Introduction to Clinical methods	37	2.5	9	0.2	46	2.7
TOTAL		381	25.4	342	7.6	723	32.9
YEAR 3 (Semester V) 25.1 Units							
CP 300	Clinical Pharmacology	167	11.1	16	0.36	183	11.5
MD 300	Management of Diseases	357	23.8	0	0	357	23.8
MF 300	Medical Ethics	68	4.5	0	0	68	4.5
TOTAL		592	39.4	16	0.36	608	39.8
YEAR 3 & 4: Semester VI & VII (Junior Rotations) Year 3 & 4 (24.4) Units							
MI 400	Internal medicine	18	1.2	220	4.9	238	6.1
MH 400	Paediatrics and Child health	18	1.2	220	4.9	238	6.1
MG 400	Obstetrics & Gynaecology	18	1.2	220	4.9	238	6.1
MS 400	Surgery	18	1.2	220	4.9	238	6.1
TOTAL		72	4.8	880	19.6	952	24.4
YEAR 4 & 5 (Semester VIII & IX Rotations) (36.3 Units							

<i>Code</i>	<i>Course Title</i>	<i>Theory</i>		<i>Practical/seminars</i>		<i>Total</i>	
		<i>Hrs</i>	<i>Units</i>	<i>Hrs</i>	<i>Units</i>	<i>Hrs</i>	<i>Units</i>
MC 400	Community Medicine	15	1	365	8.1	380	9.1
MY 400	Psychiatry	48	3.2	315	7.0	363	10.2
MZ 400	Surgical Specialties	10	0.7	353	7.8	363	8.5
MW 400	Medical Specialties	10	0.7	353	7.8	363	8.5
TOTAL		83	5.6	1386	30.7	1469	36.3
Semester X (Senior Rotations) (12.4 Units)							
MI 500	Internal medicine	10	0.7	108	2.4	118	3.1
MH 500	Paediatric & Child health	10	0.7	108	2.4	118	3.1
MG 500	Obstetrics & Gynaecology	10	0.7	108	2.4	118	3.1
MS 500	Surgery	10	0.7	108	2.4	118	3.1
TOTAL		40	2.8	432	9.6	472	12.4

KEY to MD Course subjects

AN: Anatomy BC: Biochemistry BS: Behavioural Sciences & Biostatistics CM: Introduction to Clinical Methods CP: Clinical Pharmacology DS: Development Studies EF: Nutrition Field Project ER: Epidemiology & Research Methodology MC: Community Medicine MD: Management of Diseases Courses I & II ME: Elective Period	MF: Medical Ethics & Forensic Medicine MG: Obstetrics & Gynaecology MH: Paediatrics & Child Health MI: Internal Medicine MM: Microbiology/Immunology MP: Pathology MS: Surgery MY: Psychiatry MZ: Surgical Specialties (Anaesthesiology & Critical Care Medicine, Otorhinolaryngology, Ophthalmology) PE: Parasitology/Entomology PH: Physiology
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DOCTOR OF MEDICINE (MD) PROGRAMME (STARTED 2018/19)



1. This programme is based On the reviewed curriculum that is currently running. Students starting the MD programme in 2018/2019 onwards, will be trained under this system.

1.1. SUMMARY OF THE MD COURSES FOR THE SEMESTER SYSTEM

Semester 1							
Code	Name of Course	Lecture Hrs	Seminars, Assignment Hrs	Practical / Clinical / Field Hrs	Individual study / Research Hrs	Total Hrs	Total Credits
AN 100	Anatomy	130	16	175	55	376	37.6
BC 100	Biochemistry	118	16	46	56	236	23.6
ME 100	Medical Ethics I	18	0	0	0	18	1.8
Total		266	32	221	111	630	63.0
Semester 2							
PH 100	Medical Physiology	136	51	70	68	325	32.5
SO 100	Medical Sociology	45	10	5	5	65	6.5
PS 100	Medical Psychology	30	20	10	30	90	9.0
BD 100	Biostatistics and Demography	60	20	20	20	120	12.0
Total		271	101	105	123	600	60.0
Semester 3							
Code	Name of Course	Lecture Hrs	Seminars Assignment Hrs	Practical / Clinical / Field Hrs	Independent study / Research Hrs	Total Hrs	Total Credits
MM 200	Medical Microbiology & Immunology	136	22	108	20	286	28.6
PE 200	Medical Parasitology & Entomology	106	16	78	20	220	22.0
DS 200	Development Studies	34	25	10	25	94	9.4
ME 200	Medical Ethics II	12	6	0	6	24	2.4
Total		288	69	196	71	624	62.4
Semester 4							
ER 200	Epidemiology & Research Methodology	60	40	10	20	130	13.0
EO 200	Environmental and Occupational Health	15	10	15	10	50	5.0
MP 200	Pathology	160	40	100	44	344	34.4
NU 200	Nutrition	12	6	56	10	84	8.4
Total		247	96	181	84	608	60.8
Semester 5							
Code	Name of Course	Lecture Hrs	Seminars, Assignment Hrs	Practical / Clinical / Field Hrs	Independent study / Research Hrs	Total Hrs	Total Credits
CP 300	Clinical Pharmacology	144	16	15	34	209	20.9
MD 300	Management of Diseases	248	19	55	34	356	35.6
ME 300	Medical Ethics III	34	10	0	10	54	5.4
Total		426	45	70	78	619	61.9
Semester 6 & 7							
Code	Name of Course	Lecture Hrs	Seminars Assignment Hrs	Practical / Clinical / Field Hrs	Independent study / Research Hrs	Total Hrs	Total Credits
IM 300	Internal Medicine	50	50	150	65	315	31.5
PC 300	Paediatrics & Child Health	50	50	150	65	315	31.5
GS 300	Surgery	25	25	200	65	315	31.5
OG 300	Obstetrics & Gynaecology	50	50	150	65	315	31.5
Total		175	175	650	260	1260	126.0
Semester 8 & 9							
CM 400	Community Medicine	65	95	105	35	300	30.0
PS 400	Psychiatry	50	50	180	20	300	30.0
SS 400	Surgical Specialities	80	16	156	28	280	28.0
MS 400	Medical Specialities	80	34	145	21	280	28.0
RP 400	Research Project	5	0	65	30	100	10.0
Total		280	195	651	134	1260	126.0

Semester 10							
Code	Name of Course	Lecture Hrs	Seminars, Assignment Hrs	Practical / Clinical / Field Hrs	Independent study / Research Hrs	Total Hrs	Total Credits
IM 500	Internal Medicine	10	15	105	10	140	14.0
PC 500	Paediatrics & Child Health	10	15	105	10	140	14.0
GS 500	Surgery	10	20	60	50	140	14.0
OG 500	Obstetrics & Gynaecology	15	10	100	15	140	14.0
ES 500	Entrepreneurship	32	4	2	2	40	4.0
Total		77	64	372	87	600	60.0
Grand Total for the course		2030	777	2446	948	6201	620.1

DOCTOR OF MEDICINE (MD) PROGRAMME (STARTED 2020/21)

Semester 1 Year 1								
Code	Course name	LH	TS	AH	IS	PH	TH	Credits
BM100	Basics of Clinical & Community Medicine	17	8	0	0	9	34	3.4
AN100	Anatomy	85	17	19	43	153	317	31.7
BC100	Biochemistry	85	34	28	38	51	236	23.6
EP100	Introduction to Professionalism & Ethics	17	9	4	4	0	34	3.4
Total		204	68	51	85	213	621	62.1
Semester 2 Year 1								
Code	Course name	LH	TS	AH	IS	PH	TH	Credits
NA100	Neuroanatomy	17	17	11	11	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 skills	17	17	17	6	51	108	10.8
Total		221	102	73	81	136	613	61.3
Semester 3 Year 2								
Code	Course name	LH	TS	AH	IS	PH	TH	Credits
MI200	Microbiology & Immunology	85	17	10	14	68	194	19.4
PE200	Parasitology & Medical Entomology	51	17	10	7	34	119	11.9
BE200	Biostatistics & Epidemiology	85	34	34	18	34	205	20.5
DS200	Development Studies	34	17	14	25	0	90	9.0
Total		255	85	68	64	136	608	60.8
Semester 4 Year 2								
Code	Course name	LH	TS	AH	IS	PH	TH	Credits
CM200	Introduction to Community Medicine	17	17	2	4	30	70	7.0
CP200	Clinical Pharmacology	102	34	17	11	34	198	19.8
PA200	Pathology	153	34	26	44	85	342	34.2
Total		272	85	45	59	149	610	61.0
Semester 5 Year 3								
Code	Course name	LH	TS	AH	IS	PH	TH	Credits
EP300	Professionalism & Ethics	34	9	6	7	12	68	6.8
MD300	Management of diseases	204	34	24	31	51	344	34.4
DI300	Diagnostic Imaging	17	17	22	15	51	122	12.2
LM300	Leadership & Management	17	8	6	5	34	70	7.0
Total		68	58	54	152	272	604	60.4
*Semester 6 Year 3 & 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 & 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-specialties and Emergency Medicine	64	32	16	12	156	280	28.0
TOTAL		240	128	72	118	842	1400	140.0
***Semester 10 Year 5								
Code	Course name	LH	TS	AH	IS	PH	TH	Credits
GS500	Advanced General Surgery	4	20	10	12	94	140	14.0
OG500	Advanced Obstetrics and Gynaecology	4	20	10	12	94	140	14.0
PC500	Advanced Paediatrics and Child Health	4	20	10	12	94	140	14.0

IM500	Advanced Internal Medicine	4	20	10	12	94	140	14.0
EN500	Entrepreneurship	17	6	2	4	5	34	3.4
Total		33	86	42	52	381	594	59.4
		LH	TS	AH	IS	PH	TH	Credits
Grand Total		1592	821	496	679	2731	6310	631.0

KEY:

LH - Lecture hours,

TS - Tutorial/Seminar hours,

AH - Assignment hours,

IS - Independent studies,

PH - Practical hours,

TH - Total hours

*Students will be rotating for 10 weeks each of the four departments.

**Students will be rotating 8 weeks in each department.

***Students will be rotating 4 weeks in each department.

CLINICAL CLERKSHIP GUIDELINES

INTRODUCTION

The University places a lot of importance to this stage of training of the medical student because it lies at the heart of medical education. In the new curriculum the University has strived to give the student as much clinical exposure as possible. It is designed to provide the medical student with an opportunity to learn by experience in patient care and by the examples set by the faculty and house staff. It will be focused on real problems in the context of professional practice. It is expected that the students will be motivated by its relevance and through active participation. We believe it is the only setting in which the skills of history taking, physical examination, clinical reasoning, decision making, empathy, and professionalism can be taught and learnt as an integrated whole.

Weill Bugando School of Medicine (WBSOM) has now split clinical teaching into a 10-week junior clerkship and a 5-week senior clerkship. The students will be divided into four groups of equal size and shall have rotations in Medicine, Surgery, Paediatrics and Child Health and in Obstetrics and Gynaecology for their junior clerkship in semester 6 and 7 and their clerkship in surgical specialties (Anaesthesiology, Otorhinolaryngology and Ophthalmology), Community Medicine, Psychiatry and Forensic Medicine in semesters 8 and 9. The senior rotation will take place in the 10th semester.

During the 10 weeks of clerkship, the student will be expected to take a complete history, conduct a thorough and accurate physical exam, take into consideration complex psycho-social issues, formulate a problem list, construct a relevant differential diagnosis, and along with her/his team begin to manage the daily details of the care of patients.

During the 5 weeks of senior clerkship the student will learn how to take a more focused history and physical, manage chronic conditions and symptoms, and develop a more detailed approach and knowledge base regarding two specialty areas of her/his choice.

GOALS

- To develop the skills and knowledge needed to take an accurate history and physical examination and to formulate an appropriate differential diagnosis;
- To introduce the student to the principles of developing a management/treatment plan for various diagnosis;
- To encourage the student to take an active role as a member of the health care team, to learn to be responsible for patient management, to learn to work effectively with other members of the health care team and to develop skills as a professional.

CLERKSHIP GUIDELINES

The following will constitute general guidelines and an outline of what is expected of a student, and what the student should expect from teachers during their inpatient clerkships rotations. Although minor variations may exist from firm to firm and from discipline to discipline the basic format will apply to all.

Clinical clerks are expected to:

1. Perform an admission history and physical examination on at least five patients per week. For each patient the student will:
 - a. Limit initial formal contact with patient to one hour.
 - b. Submit for review within 24 hours a detailed write-up of the history physical findings, admission lab results, a formulation, and a plan of management.
 - c. Read suggested information relevant to a major aspect of the patient's illness.
 - d. Follow closely the patient's daily progress, and report on this progress during ward rounds.
 - e. Assist interns with routine chores (data-gathering, etc.) necessary for the care of the patient.
2. Demonstrate to the consultant (during twice-weekly "students only" sessions) their level of skill in eliciting historical information and physical findings.
3. Observe and assist with special procedures such as bladder catheterization, Nasal Gastric tube insertions, bone marrow aspirations, lumbar punctures, venepuncture, etc.
4. Present cases during attending rounds.

The Consultant/Attending Specialist is expected to:

1. Meet separately with the clinical clerks at least twice each week. During these sessions the consultant will directly supervise and observe the ability of clerks to take histories and to elicit and demonstrate physical findings.
2. Participate actively with the resident in the process of reviewing and criticizing student write-ups and being certain that write-ups are returned to the student within 24-48 hours.
3. Suggest reading material relevant to the student's cases.
4. Observe closely and improve the interactions between house staff and clinical clerks.

5. Discuss the student's progress and level of performance (personally) after two weeks and again at the end of the rotation.
6. Observe the student do a comprehensive history and physical on an unknown patient the last week of the rotation.

The ward resident is expected to:

1. Assign new cases to the clinical clerks. In making these assignments the resident will:
 - a. select those cases most suitable for advancing the medical education of the student
 - b. be certain that an appropriate one hour interval is set aside for the admission contact between patient and student.
2. Assign specific reading directly relevant to each patient worked up by the student
3. Review student write-ups with the attending physician. Discuss these with the student within 24-48 hours of submission.
4. Closely supervise and improve interactions between clinical clerks and interns.
5. Determine when each clinical clerk is qualified to:
 - a. present progress data during ward rounds
 - b. present cases during attending rounds
 - c. write progress notes in the medical record
6. Discuss with each student (personally) that student's level of performance at two weeks intervals.

The intern is expected to:

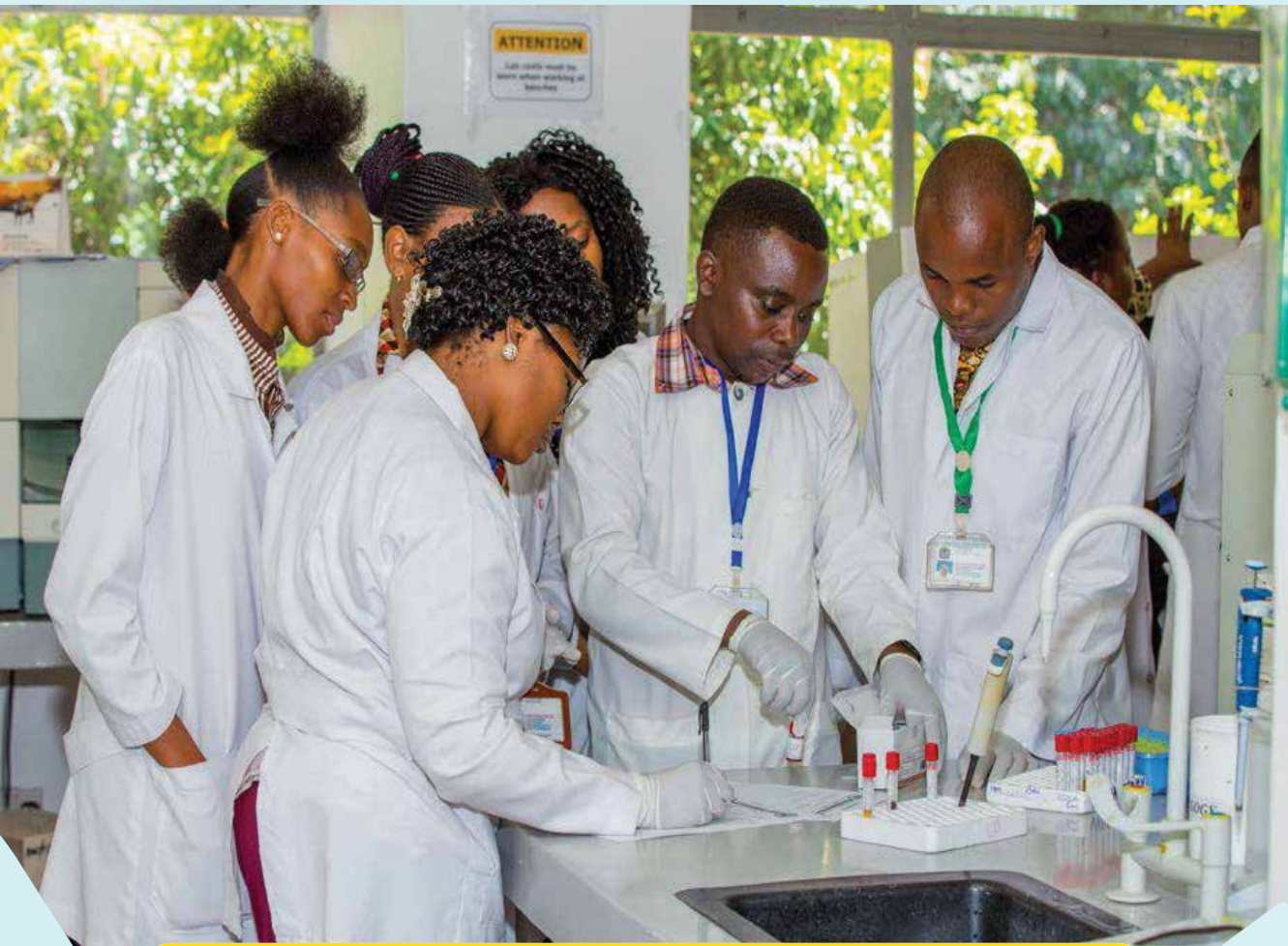
1. Discuss with the student (personally), after the student has completed a formulation and plan of management, all aspects of the case assigned to the student.
2. Review with the student the orders written by the intern and the reasons for those orders.
3. Supervise directly "bedside" lab procedures (blood gas, cultures, etc.) performed by the student.
4. Keep the clinical clerk fully informed of all developments in that clerk's cases.
5. Review with the clerk progress notes written by he clerk and countersign these notes.

RESPONSIBILITIES FOR THE CLERK

- To be punctual to all rounds and lectures and other teaching opportunities;
- Perform a history and physical examination on new admissions assigned by the resident team;
- Assist the resident team in simple procedures and become familiar with these procedures;
- Present patients at Work and Attending Rounds. To have read thoroughly on these patients prior to presentation;
- Submit write-ups for patients using the format requested by the specialty to the coordinator for formal evaluation;

- Be up to date and familiar with the patients' pertinent development and write daily progress notes. Progress notes must be discussed with and countersigned by the assigned intern or resident;
- Accompany patients to special procedures and participate in discussions with consultants whenever possible;
- Read daily for conferences, assigned topics or presentations and especially patients' medical problems;
- Attend all assigned conferences given by the Department, including Medical Grand Rounds, house staff lectures, as well as specific conferences for clerks.

BACHELOR OF MEDICAL LABORATORY SCIENCES



BACKGROUND

Clinical laboratory professionals play a pivotal role in the provision of health services in any health facility setting. They are an essential component of members of the health care team; uncovering scientific facts leading to accurate diagnosis and timely treatment of patients. The Bachelor of Science in Medical Laboratory Sciences (BMLS) is meant to provide an undergraduate education to those preparing to enter the field of Medical Laboratory Science in this era. Graduates of this programme will fill the growing skills-gap in clinical practice settings of hospital diagnostic laboratories, biomedical research laboratories, public health agencies, clinics, and reference laboratories.

BACHELOR OF MEDICAL LABORATORY SCIENCES (BMLS)

BACKGROUND

Clinical laboratory professionals play a pivotal role in the provision of health services in any health facility setting. They are an essential component of members of the health care team; uncovering scientific facts leading to accurate diagnosis and timely treatment of patients. Physicians therefore rely heavily on the clinical laboratory data provided by medical technologists to determine the presence or absence, cause, extent and prognosis of disease. Students of clinical laboratory science should develop the analytical thinking skills necessary to function effectively in a clinical laboratory environment. Unless medical technologists can produce reliable diagnostic data reflective management of patient becomes severely compromised. This service has hitherto been provided largely by Health Laboratory Technicians who undergo a three-year training programme after "O" level. With advances in scientific and medical technology it is increasingly becoming difficult for the bulk of available health laboratory technologist to keep pace with advances in medical technology. The Bachelor of Science in Medical Laboratory Sciences (BMLS) is meant to provide an undergraduate education to those preparing to enter the field of Medical laboratory science in this era. Graduates of this programme will fill the growing skills-gap in clinical practice settings of hospital diagnostic laboratories, biomedical research laboratories, public health agencies, clinics, and reference laboratories.

Career options also exist outside the traditional clinical laboratory. Graduates with backgrounds in clinical laboratory science occupy positions as medical research and development technologists, technical representatives for medical product and medical equipment companies, and other bio-medically related positions in the biotechnology industry. The Bachelor of Medical Laboratory Sciences (BMLS) is designed to provide a broadly-based background including biomedical sciences and laboratory science course requirements.

The degree program in Medical Science is also an excellent foundation for students preparing for graduate studies in a sub-discipline or another health-related area or for pre-professional training in one of the medical sciences. Starting this programme fits in well with Mission of the University in its quest to enable Tanzania produce enough medical practitioners and medical scientists, who are expected to work together to achieve a satisfactory level of "**Health for All**" in the foreseeable future.

PROGRAMME GOALS

The BMLS programme is intended to achieve the following goals:

- To produce a Laboratory technologist with sound knowledge and skills for diagnosis, monitoring and research in medical field.
- To produce technologists with high caliber in implementing and promoting quality services in medical laboratories.
- To produce medical technologists with highest analytical ability, with concerns for ethical and moral values.
- To produce a Laboratory technologist who can translate the national health laboratory policies into Programme, planning and management activities.

PROGRAMME OBJECTIVES

Broad Objective

To produce a competent Medical technologist who will be able to perform tests and manage a medical laboratory with minimal supervision.

Specific Objectives

Upon successfully completion of this programme the graduate will be able to:

- Apply the principles and clinical significances of advanced tests;
- Use his/her critical thinking to improve the laboratory-working environment.
- Improve the quality of laboratory services rendered to the society by applying the latest knowledge.
- Recognize and adhere to established safety rules
- Recognize factors that affect procedures and results, and take appropriate action.
- Recognize the relationship between laboratory finding and disease processes.
- Design and conduct medical research

Programme Expected Learning Outcomes and its associated teaching /learning activities and assessment criteria:

Qualification category		Undergraduate	
Qualification type		Bachelor's degree	
Levels		8	
Learning outcomes	Knowledge	Comprehend sound knowledge regarding medical laboratory sciences	Assessment criteria
	Skills	Perform clinical diagnostic tests, Analyze medical laboratory services for planning and management activities Promote quality services in medical laboratories	Written (MCQs, short answer and essay questions) and oral Examinations
	Competences	Perform clinical diagnostic tests both in hospital and in the research field	Practical examinations, case scenarios and assessment using logbooks

ORGANIZATION OF THE PROGRAMME

This is a six-semester modularized academic programme that will be covered in three years. Courses in each semester will be taught by lecturers, practicals and tutorials and examined during the semester. There will be a special research project in one of the medical field. CUHAS has established a well set up and managed Computing Centre, linked to the Internet, which will provide "Student Centred Learning" (SCL). This will complement the more conventional BMLS Curriculum Teaching and Learning methods.

With the above design and methods of teaching, the course will cater for specific knowledge, skills and competencies. It will also give students expanded access to different categories of clients, programmes and medical researches that are based on the societal needs and demands.

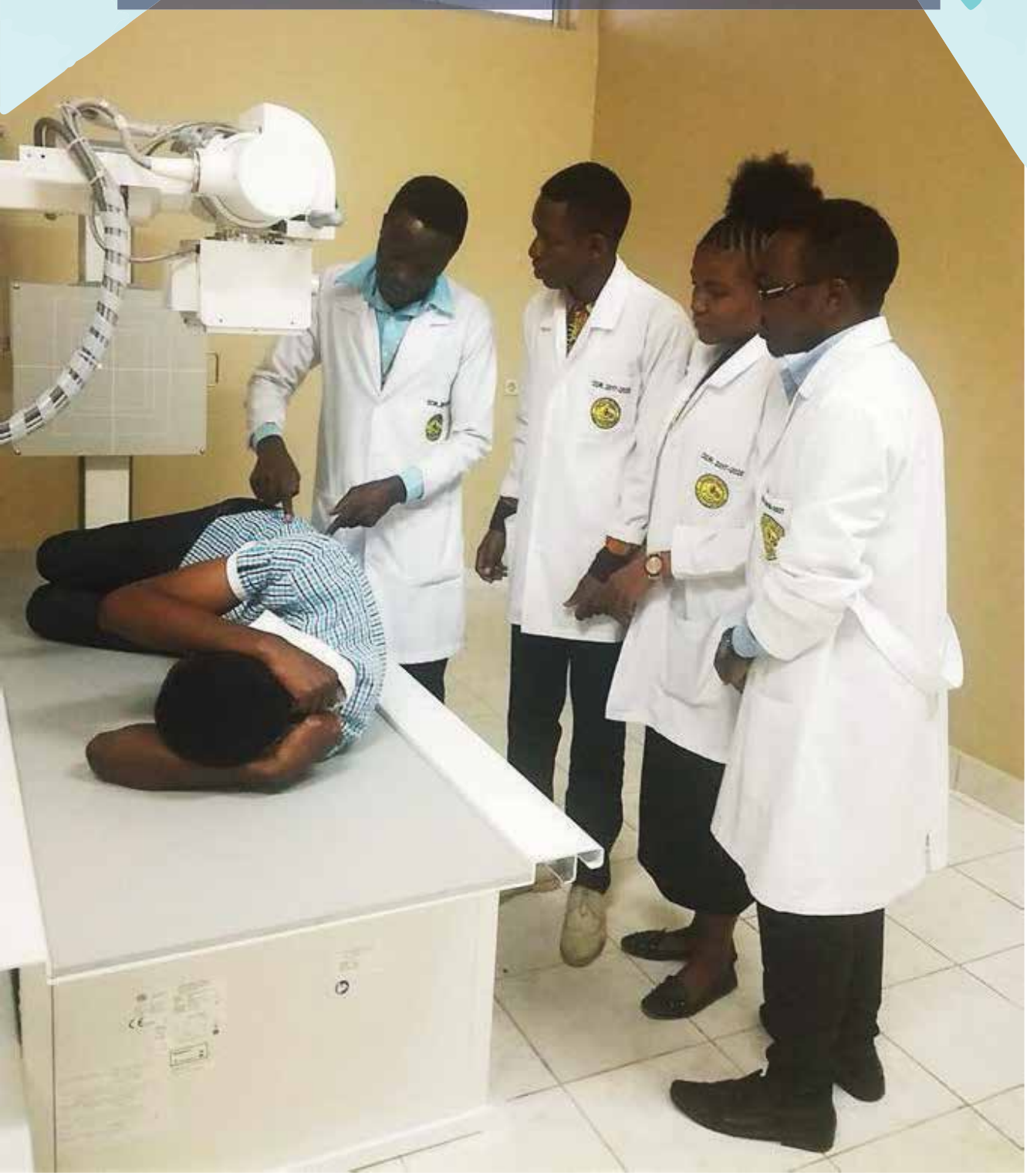
A course unit weighting system will be used, whereby each 15 hours of lecture, constitutes a unit, while 45 hours of practical/seminars constitute a unit. Final University examinations will be held at the end of each semester where external examiners will be invited.

Summary of the Six semester Modules for BMLS Programmes

Course code	COURSE TITTLE	LH	TH	AH	ISH	PH	Total	CU
SEMESTER I: YEAR I								
BC 140	Biochemistry	160	50	40	20	30	300	30.0
AN 140	Functional Anatomy and Histology	100	40	20	30	40	230	23.0
IT 140	Laboratory practice informatics	30	20	25	10	25	110	11.0
LP 140	Medical laboratory practices	30	20	20	10	30	110	11.0
TOTAL		320	130	105	70	125	750	75.0
SEMESTER II: YEAR I								
PH 140	Basic Physiology	100	30	20	20	20	190	19.0
MB 140	Molecular Biology	120	50	20	25	35	250	25.0
ER 140	Bio-statistics and Epidemiology	90	20	20	30	30	190	19.0
DS 140	Development studies 1	50	20	20	20	10	120	12.0
TOTAL		360	120	80	95	95	750	75.0
SEMESTER I: YEAR II								
PE 240	Parasitology and Entomology	100	20	30	40	80	270	27.0
MM 240	Microbiology/Immunology	110	20	30	70	80	310	31.0
DS 240	Development studies 2	70	30	30	30	10	170	17.0
TOTAL		280	70	90	140	170	750	75.0
SEMESTER II: YEAR II								
SM 240	Clinical Microbiology	30	10	15	15	130	200	20.0
CC 240	Clinical Chemistry	30	10	15	15	130	200	20.0
PM 240	Public Microbiology	20	5	5	5	65	100	10.0
MP 240	Pathology, Hematopathology and Blood transfusion	115	15	15	25	80	250	25.0
TOTAL		195	40	50	60	405	750	75.0
SEMESTER I: YEAR III								
HT 340	Histotechnology and Cytology	80	15	15	30	160	300	30.0
SH 340	Hematology and Blood transfusion	45	15	10	10	100	180	18.0
DT 340	Molecular diagnostics techniques	60	15	15	20	110	220	22.0
TOTAL		185	45	40	60	370	700	70.0
SEMESTER II: YEAR III								
EF 340	Elective Laboratory Rotation and Field Project	10	15	15	20	580	640	64.0
ES 340	Entrepreneurship	40	10	8	7	5	70	7.0
MG 340	Laboratory Management and Planning	30	20	10	20	10	90	9.0
TOTAL		80	45	33	47	595	800	80.0
							4500	450.0

KEY: LH:Lecture Hours TH:Tutorial Hours AS: Assignment hours PH:Practical or Field work hours
ISH: Independent studies hours CU:10 Notional Hours= 1 Credit Unit

BACHELOR OF SCIENCE IN MEDICAL IMAGING AND RADIO THERAPY PROGRAMME



Programme Objectives

The BSc MIR programme is intended to produce graduates with:

- Sound knowledge in medical imaging and radiotherapy sciences
- High quality competencies in medical imaging and radiation cancer treatment. radiotherapy
- Competence to implement and promote quality services in medical imaging and radiotherapy.
- Highly vested with ethical and moral values in provision of medical imaging and radiotherapy.
- Ability to translate the national medical imaging and radiotherapy policies into programme, planning and management activities.

Programme Learning Outcomes:

- Programme expected learning outcomes and its associated teaching/learning activities and assessment criteria (learning outcomes should include knowledge, skills and competences as per UQF level descriptions).

Programme learning outcomes

Qualification category		Undergraduate	
Qualification type		Bachelor's Degree	
Levels		8	
	Competence Domain	Learning outcomes	Assessment criteria
Learning outcomes	Knowledge	At the end of the programme the student should be able to: <ul style="list-style-type: none"> • Discuss biomedical sciences in relation to medical imaging and radiotherapy techniques • Discuss clinical pathology in relation to medical imaging and radiotherapy techniques • Illustrate the organization of Imaging units in different levels of the hospital • Describe the plan of Imaging units 	Written (MCQs, short answer and essay questions) and oral Examinations
	Skills	At the end of the programme the student should be able to: <ul style="list-style-type: none"> • Demonstrate quality medical imaging and radiotherapy procedures independently both in hospital and in the research field • Document imaging findings systematically and accurately 	Practical examinations, case scenarios and assessment using logbooks

		<ul style="list-style-type: none"> Perform quality services in relation to medical imaging and radiotherapy Collect imaging data in systematic way 	
	Competences	At the end of the programme the student should be able to: <ul style="list-style-type: none"> Perform medical imaging and radiotherapy tests both in hospital and in the research field Provide mentorship to Junior in relation to medical imaging and radiotherapy 	Practical examinations, case scenarios
	Attitude	At the end of the programme the student should be able to: <ul style="list-style-type: none"> Practice quality medical imaging and radiotherapy procedures with integrate, reliability and in a friendly manner to patients Demonstrate high level of professionalisms during practices 	Observe elements of temper, reliability, patience, friendly behaviour during training and practical examinations

Normal Learning and Course Matrix

All courses in this programme are Core Courses:

CODE	COURSE TITLE	LH	TH	AH	IS	PH	Total	Credit
YEAR 1: SEMESTER I								
AN 150	Anatomy	72	36	18	24	90	240	24
BC 150	Biochemistry	54	18	9	12	27	120	12
DS 150	Development Studies	36	18	9	8	9	80	8
ME 150	Medical Ethics	18	18		14	0	50	5
MI 150	Medical Imaging and Radiotherapy Informatics	36	18	18	16	72	160	16
	Semester Total	216	108	54	74	198	650	65
YEAR 1: SEMESTER II								
PH 150	Basic Physiology	72	18	18	24	18	150	15
SP 150	Medical Sociology and Psychology	36	18	9	8	9	80	8
MP 150	Medical Physics, Imaging and radiotherapy Equipment	54	18	9	14	45	140	14
RR 150	Radiobiology and Radiation Protection	54	18	18	14	36	140	14
IM 150	Image management	54	18	18	14	36	140	14
	Semester Total	270	90	72	74	144	650	65
YEAR 2: SEMESTER III								
CP 250	Pharmacology	72	36	18	26	18	170	17
XR 250	X-ray Imaging and Techniques	72	36	36	22	144	310	31
NE 250	Nursing Procedures and Emergency care	36	18	18	16	72	160	16
	Semester Total	180	90	72	64	234	640	64
YEAR 2: SEMESTER IV								
PP 250	Principles of Pathology	54	18	18	14	36	140	14
US 250	Ultrasound Imaging and Techniques	90	36	36	50	288	500	50
	Semester Total	144	54	54	64	324	640	64
YEAR 3: SEMESTER V								
CM 350	CT / MR Imaging and Techniques	90	36	18	36	270	450	45

CODE	COURSE TITLE	LH	TH	AH	IS	PH	Total	Credit
ER 350	Biostatistics, Epidemiology & Research Methodology	72	18	18	26	36	170	17
	Semester Total	162	54	36	62	306	620	62
YEAR 3: SEMESTER VI								
NM 350	Nuclear Medicine Imaging and Techniques	36	18	18	28	90	190	19
RO 350	Radiation Oncology	54	18	18	14	36	140	14
RP 350	Radiological and imaging Pathology	72	36	18	14	180	320	32
	Semester Total	162	72	54	56	306	650	65
YEAR 4: SEMESTER VII								
RT 450	Radiotherapy	54	18	18	14	126	230	23
EC 450	Echocardiography	36	9	9	12	144	210	21
US 450	Specialized Ultrasound Imaging and Techniques	36	9	9	12	144	210	21
	Semester Total	126	36	36	38	414	650	65
YEAR 4: SEMESTER VIII								
EM 450	Entrepreneurship, Management & Planning	36	18	18	12	36	120	12
RP 450	Research Project and Fieldwork	18	36	18	38	450	560	56
	Semester Total	54	54	36	50	486	680	68
Grand Total							5180	518

KEY:

LH-lecture hours,
 TH-tutorial hours,
 AH-assignment hours,
 IS-independent studies hours,
 PH-practical hours,
 CT-x-ray Computed Tomography,
 MR-Magnetic Resonance.

SCHOOL OF PHARMACY



DEAN, Prof. Gilbert Kongola,

MD (UDSM), MSc. (Manchester), PhD (Manchester)

The School of Pharmacy at CUHAS- Bugando, started in 2010 with thirty six students. In accordance with the requirements laid down by the Tanzania Pharmacy Council, the Bachelor of Pharmacy degree is designed to produce healthcare professionals who are committed to meeting the pharmaceutical needs of all health seeking communities.

Vision:

To provide Highly Qualified Pharmacists who can suit the Pharmaceutical needs of Tanzania, in Health Care Systems, Community, Training and Research Institutions.

Mission:

- To provide skilled and competent human resources in the health sector that is vested with moral and ethical values.
- Search, discover and communicate the truth to advance the frontiers of knowledge and
- Provide quality services to the community

BACHELOR OF PHARMACY PROGRAMME



Broad Objectives

- To produce pharmacists who have excellent academic knowledge and competence in order to meet the pharmaceutical requirements and standard in the country.

Specific Objectives

- To produce pharmacists who have the ability to work methodically, carefully and accurately in Pharmaceutical industry, Hospital & Community Pharmacy, Pharmaceutical Quality Control & Assurance, Pharmacy Regulatory Affairs, Drug Information Services, Research & Development and Academia/Consultancy.

PROGRAMME GOALS

- (i) To train highly qualified pharmacists, in order to meet the requirements of pharmaceutical services in Tanzania, who can provide pharmaceutical care to patients, who can develop and manage medication distribution and drug control system, who can manage community pharmacies properly and participate in promoting public health and provide adequate drug information and education.
- (ii) To produce pharmacists suited to the needs of the country, but, also meet the general standard of competence of pharmacists from other countries in the region.
- (iii) To stimulate and nurture in students and graduates the desire to initiate research in local drug problems and traditional medicinal plants as well as research into other fields of pharmaceutical and medical interests

Summary of the Eight Semester Modules for B.Pharm Programme

SEMESTER 1								
No.	Course Code	Course Name	Theory		Practical		Total	
			Hrs	Units	Hrs	Units	Hrs	Units
1.	AN120	Anatomy	120	8.0	45	1.0	165	9.0
2.	PC120	Solution, Phase & Interfacial Phenomena	60	4.0	73	1.6	133	5.6
3.	PP120	Introduction to Dispensing	55	3.7	78	1.7	133	5.4
4.	BC120	Biochemistry	111	7.4	60	1.3	171	8.7
Total Hrs/Units			346	23.1	256	5.6	602	28.9
SEMESTER 2								
No.	Course Code	Course Name	Theory		Practical		Total	
			Hrs	Units	Hrs	Units	Hrs	Units
1.	CH120	General, Physical, Inorganic & Aliphatic Chemistry	115	7.7	69	1.6	184	9.2
2.	PH120	Physiology	153	10.2	75	1.7	228	11.9
3.	PB120	Pharmaceutical Botany	55	3.7	97	2.2	152	5.9
4.	DS120	Development Studies 1	65	4.3	30	0.7	95	5.0
Total Hrs/Units			388	25.9	271	6.2	659	32
SEMESTER 3								
No.	Course Code	Course Name	Theory		Practical		Total	
			Hrs	Units	Hrs	Units	Hrs	Units
1.	PE220	Parasitology & Medical Entomology	107	7.1	45	1.0	152	8.1
2.	PC220	Introduction to Pharmaceutical Technology	70	4.7	57	1.3	127	6.0
3.	PP220	Introduction to Pharmacy Practice	50	3.3	128	2.8	178	6.1
4.	DS220	Development Studies II	65	4.3	30	0.7	95	5.0
Total Hrs/Units			292	19.4	260	5.8	552	25.2
SEMESTER 4								
No.	Course Code	Course Name	Theory		Practical		Total	
			Hrs	Units	Hrs	Units	Hrs	Units
1.	CH220	Organic Chemistry & Spectroscopy	141	9.4	50	1.1	191	10.5
2.	ER220	Epidemiology & Biostatistics	130	8.7	40	0.9	170	9.6
3.	PG220	Pharmacognosy	75	5.0	205	4.6	280	9.6
4.	MP220	Principles of General Pathology	33	2.2	16	0.4	49	2.6
Total Hrs/Units			379	25.3	311	7	690	32.3
SEMESTER 5								

No.	Course	Course Name	Theory		Practical		Total	
1.	CP320	Clinical Pharmacology 1	178	11.9	50	1.1	228	13.0
2.	MM220	Pharmaceutical Microbiology	166	11.1	100	2.2	266	13.3
Total Hrs/Units			344	23	150	3.3	494	26.3
SEMESTER 6								
No.	Course	Course Name	Theory		Practical		Total	
			Hrs	Units	Hrs	Units	Hrs	Units
1.	DC320	Drug Development and Chemotherapy	75	5.0	175	3.9	250	8.9
2.	PT320	Pharmaceutical Phytochemistry	80	5.3	91	2.0	171	7.3
3	PC320	Solid dosage forms, Sterile Products & Radiopharmaceuticals.	60	4.0	130	2.9	190	6.7
4	PP320	Medicine Scheduling, Patient Information, Drug Information and Pharmacy Management	75	5.0	115	2.6	190	7.6
Total Hrs/Units			290	19.3	511	11.4	801	30.5
SEMESTER 7								
No.	Course	Course Name	Theory		Practical		Total	
			Hrs	Units	Hrs	Units	Hrs	Units
1.	CP420	Clinical Pharmacology II	153	10.2	75	1.7	228	11.9
2.	PC420	Biopharmaceutics, Pharmacokinetics and Principles of Good Manufacturing Practice.	110	7.3	42	0.9	152	8.2
3.	PP420	Forensic Pharmacy, Pharmacy management Clinical Pharmacy Practice	95	6.3	263	5.8	358	12.1
Total Hrs/Units			358	23.8	380	8.4	738	32.2
SEMESTER 8								
No.	Course Code	Course Name	Theory		Practical		Total	
1.	PD420	Pharmacodynamic Agents and Drug Design	152	10.1	57	1.3	209	11.4
2.	PG420	Applied Pharmacognosy	80	5.3	110	2.4	190	7.8
3.	RP420	Research Project	0	0	209	4.6	209	4.6
Total Hrs/Units			232	15.4	376	8.3	608	23.8

KEY to B Pharm Course subjects

AN: Anatomy. BC: Biochemistry. CH: Chemistry. CP: Clinical Pharmacology DC: Drug Development and Chemotherapy DS: Developmental Studies ER: Epidemiology & Biostatistics. MM: Pharmaceutical Microbiology MP: Principle of General Pathology PB: Pharmaceutical Botany.	PC: Pharmaceutics. PD: Pharmacodynamic Agents and Drug Design PE: Parasitology & Medical Entomology. PG: Pharmacognosy. PH: Physiology. PP: Pharmacy Practice. PT: Pharmaceutical Phytochemistry. RP: Research Project.
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BACHELOR OF PHARMACY PROGRAMME (STARTED 2020/21)

STRUCTURE OF MODULES

Code	Course Name	LH	TS	AH	IS	PH	TH	Credits
YEAR 1: SEMESTER 1								
BP120	Basics of Clinical & Community Pharmacy	17	8	0	0	9	34	3.4
AN120	Anatomy	85	17	4	2	34	142	14.2
BC120	Biochemistry	85	34	4	2	51	176	17.6
EP120	Introduction to Professionalism & Ethics	17	9	4	4	0	34	3.4
DS120	Development Studies	34	17	14	25	0	90	9.0
CH120	General, Physical Inorganic and Aliphatic Chemistry	68	17	4	4	51	144	14.4
Semester Total		306	102	30	37	145	620	62.0
YEAR 1: SEMESTER 2								
NA120	Neuroanatomy	17	17	3	3	17	57	5.7
HS120	Health Sociology	34	17	4	5	0	60	6
HP120	Health Psychology	34	17	7	7	0	65	6.5
PH120	Physiology	119	34	3	3	51	210	21
IC120	ICT & Communication Skills	17	17	17	6	51	108	10.8
PC120	Pharmaceutics	34	17	6	6	51	114	11.4
Semester Total		255	119	40	30	170	614	61.4
YEAR 2: SEMESTER 3								
PE220	Parasitology and Medical Entomology	51	17	10	7	34	119	11.9
MI220	Pharmaceutical Microbiology	97	23	16	18	76	230	23.0
BE220	Epidemiology & Biostatistics	85	34	9	9	34	171	17.1
PC220	Introduction to Pharmaceutical Technology	34	17	6	6	34	97	9.7
Semester Total		267	91	41	40	178	617	61.7
YEAR 2: SEMESTER 4								
MP220	Principles of General Pathology	40	11	8	8	24	91	9.1
CP220	Clinical Pharmacology	102	34	17	11	34	198	19.8
CC220	Basic Pharmaceutical Calculations & Compounding of Liquid Preparations	17	34	4	4	85	144	14.4
CH220	Organic Chemistry & Spectroscopy	85	17	9	9	51	171	17.1
Semester Total		244	96	38	32	194	604	60.4
YEAR 3: SEMESTER 5								
EP320	Pharmacy Ethics	28	18	4	4	6	60	6.0
NU320	Nutrition	17	13	8	8	9	55	5.5
CC320	Pharmaceutical Calculations and Solid & Semisolid Preparations	13	39	4	4	78	138	13.8
PG320	Pharm Botany & Pharmacognosy	39	13	4	6	109	171	17.1
PP320	Community Pharmacy Practice	39	39	6	6	96	186	18.6
Semester Total		136	122	26	28	298	610	61.0
YEAR 3: SEMESTER 6								
ML320	Management & Leadership in Pharmacy	36	21	6	6	108	177	17.7
PT320	Pharmaceutical Phytochemistry	36	24	6	6	36	108	10.8
PC320	Industrial Pharmacy	36	24	16	8	106	190	19
DC320	Drug Development & Chemotherapy	36	24	9	12	36	117	11.7
Semester Total		144	93	37	32	286	592	59.2
YEAR 4: SEMESTER 7								

Code	Course Name	LH	TS	AH	IS	PH	TH	Credits
PC420	Biopharmaceutics and Pharmacokinetics	34	34	12	12	51	143	14.3
TC420	Therapeutics of Communicable Diseases	17	17	9	9	68	120	12.0
PD420	Medicinal Chemistry of Pharmacodynamic Agents	34	34	12	12	51	143	14.3
HR420	Health Research	17	17	9	9	0	52	5.2
PG420	Applied Pharmacognosy	34	34	12	12	51	143	14.3
Semester Total		136	136	54	54	221	601	60.1
YEAR 4: SEMESTER 8								
TN420	Therapeutics of Non-Communicable Diseases	39	26	18	40	104	227	22.7
PP420	Forensic Pharmacy	13	26	9	9	13	70	7.0
EN420	Entrepreneurship	23	2	12	12	5	54	5.4
RP420	Research Field Project	0	13	39	52	140	244	24.4
Semester Total		75	67	78	113	262	595	59.5
Programme Total		1548	847	344	366	1748	4853	485.3

KEY:

LH-Lecture hours,

TH-Tutorial/seminars hours,

AH-Assignment hours,

IS-Independent studies,

PH-Practical/Fieldwork/Clinical rotation hours,

TH-Total hours

NB: A semester has 20 weeks with 18 teaching weeks: A week has 35 contact hours

ARCHBISHOP ANTHONY MAYALA SCHOOL OF NURSING (AAMSoN)



DEAN, Dr. Rose Laisser

ADNE (MUHAS); M.Sc (Leeds Metropolitan University), PhD (University of Umea – Sweden)

Archbishop Anthony Mayala School of Nursing (AAMSoN) started in 2010 under Catholic University of Health and Allied Sciences (CUHAS). This Nursing School produces well equipped Nurse Teachers with Bachelor of Science in Nursing Education and nurses with Bachelor of Science in Nursing. The programmes are geared towards producing innovative, creative and flexible nurses and nurse teachers who will cope with the dynamic changes of their professions, technology and socio-economic needs. Emphasis is on nursing standards, ethical issues and values of human life in the nursing and midwifery profession.

The Archbishop Anthony Mayala School of Nursing offers the Bachelor of Science in Nursing Education (B.Sc. NED) under the following categories:

- A 2- year programme for those with Advanced Diploma in Nursing Education
- A 3- year Programme for those with Diploma in Nursing
- A 4- year programme for those who are direct form six leavers.

BACHELOR OF SCIENCE IN NURSING EDUCATION (BSc.NED)



The growing demand for high quality nursing provision, increase level of education and growing of technology among communities in Tanzania has contributed to the need for highly qualified nurse tutors, who will then produce the competent nurses. Furthermore, there is a growing demand for higher quality nursing provision in Tanzania due to the increasing population, health seeking behavior and growth of health risks in a changing global environment. Currently there is no any training school which aims to convert Nurse Teachers (Advance Diploma in Nursing Education) to degree level in Tanzania. Collectively, all these factors have resulted into a high demand of qualified nurses and hence the serious needs to start conversional programme in nursing education at CUHAS which will produce the highly qualified nurse teachers in degree level.

BACHELOR OF SCIENCE IN NURSING EDUCATION (BSc.NED)

INTRODUCTION

CUHAS has been granted permission to run the Bachelor of Science in Nursing Education (B.Sc. NED) degree programme. During the academic year 2010/2012 the Governing Board approved the establishment of the Archbishop Anthony Mayala School of Nursing with the responsibility for administering the B.Sc.NED degree programme. The degree programme is offered to three categories of applicants as follows:

- i) Category I: B.Sc. NED conversion programme, this is a 2 years programme for holders of Advanced diploma in Nursing education.
- ii) Category II: B.Sc. NED 3 years programme for holders of Diploma in Nursing.
- iii) Category III: B.Sc. NED 4 years programme for holders Advanced Level Certificate (Direct entrants)

BACKGROUND

The training of health personnel in Tanzania has not kept pace with the increasing needs for health services. According to staffing levels approved in 1999 the country requires a workforce of 53,481 in its 5,500 health facilities. However, the staffing level stands at 21,248; implying a workforce deficit of 32,403. Therefore, nearly 60% of the posts in the health sector are vacant. The deficit for enrolled nurses is the highest. It stands at 18,878. The nursing sector therefore contributes more than half of the deficit in the entire health sector.

The low number of nursing staff may be a result of few training positions. However, there are over fifty institutions that offer a diploma and/or certificate in nursing in Tanzania. But these are poorly staffed. Each has an average of four professionally trained and registered nurse tutors; most of them had Advance Diploma in Nursing Education. Shortage of nurse tutors in Tanzania may have contributed to the inadequate qualified nurses. None the less there is a growing demand for higher quality nursing care in Tanzania; brought about by changes in health seeking behavior and growth of health risks in a changing global environment. Unfortunately, Tanzania has for a long time depended upon overseas Universities for higher education in nursing. The numbers of degree opportunities remain quite limited compared with the local demand for more highly educated nursing professionals. Due to significant growing of levels of education, these tutors need to be upgraded to degree level. Currently there is no any training school which produces Nurse Teachers to degree level in Tanzania, hence the need to start a conversion Degree Programme in Nursing Education at CUHAS. This will provide more and highly qualified nurse teachers to keep pace with the technological and social changes relevant to the nursing profession. CUHAS is well placed. It is in close proximity to the Bugando Medical Centre (BMC) a teaching, referral and consultant hospital with

capacity of 870 beds. BMC is responsible for health services in the Lake Zone, serving a population of approximately 10 million people.

PROGRAMME GOALS

- (i) To upgrade Nurse tutors with Advance Diploma in Nursing Education to degree level, in order to meet the general standard of competence in nursing education.
- (ii) To produce Nurse Tutors suited to the needs of the country, but also meet the general standard of competence in nursing education.

PROGRAMME OBJECTIVES

Broad Objectives

- To produce competent university graduates in nursing education who will have: sound knowledge of nursing education and health science adapted to suit local needs, real commitment to the health needs of people and role models
- Create a pool of nurses endowed with a quality scientific base necessary to enable them to be innovative and to handle nursing problems in Tanzania; able to rehabilitate the sick, to prevent or minimize the adverse sequelae of disease and to promote health.

Specific Objectives

The graduate of BSc Nursing Education conversion programme should be able to:

- Interpret and base nursing practice on philosophy, purpose, policy and standards of the institution at which he/she belongs.
- Relate health of the community to socio-economic and political development in providing health and education services
- Conduct research, publish and utilize research findings for evidence based practice,
- Recognize limits of her/his competence in the provision of health care in the community and refer such issues to higher levels
- Manage health care and educational institutions
- Improve the health and wellbeing of all clients by quality-nursing care based on their needs, problems, ongoing reforms and advances in science and technology.
- Utilize concepts of educational media and technology in teaching and learning environment
- Utilize concepts of sociology both at learning institution and community
- Facilitate effectively and efficient learning and teaching activities to nurses and other personnel
- Apply concepts of educational psychology in teaching and learning settings

JUSTIFICATION

The growing demand for high quality nursing provision, increase level of education and growing of technology among communities in Tanzania has contributed to the need for highly qualified nurse tutors, who will then produce the competent nurses. Furthermore, there is a growing demand for higher quality nursing provision in Tanzania due to the increasing population, health seeking behavior and growth of health risks in a changing global environment. Currently there is no any training school which aims to convert Nurse Teachers (Advance Diploma in Nursing Education) to degree level in Tanzania. Collectively, all these factors have resulted into a high demand of qualified nurses and hence the serious needs to start conversional programme in nursing education at CUHAS which will produce the highly qualified nurse teachers in degree level.

PROGRAMME ORGANIZATION

B.Sc. NED (2 years) Conversion Programme

1. The programme will be of two academic years. Consisting of 40 teaching weeks in each academic year. The academic year shall be the basic accounting time unit.
2. The programme will be structured in semesters. Each academic year will consist of two semesters; each semester lasting for 20 weeks including examinations.
3. There will be a total of 20 courses. The content in each course will be made up of modules using a course unit weighting system in which each 15 hours of theory will constitute one unit, while 45 hours of practical or clinical session will constitute one unit.
4. During the course of study students will have a total of five weeks (185 hrs.) for field work practice for research data collection (2nd semester), community health nursing practice and teaching practice in diploma schools of nursing (4th semester).
5. There will be a mid-semester break (breather) offered in the middle of each semester. The breather in the first semester will last for three weeks organized to coincide with X-Mass Holiday.
6. Allow a one-week inter-semester vacation.
7. There will be University examinations at the end of each semester. External examiners/moderators will be invited during these examinations.
8. The grade point average (GPA) is adopted for the process of disposal of students, these includes supplementary, discontinuation and repeating a semester (year).

STRUCTURE AND FEATURE OF THE B.Sc. NED (Conversion) PROGRAMME

SEMESTER 1							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
AN100	Anatomy	129	8.6	232	5.2	361	13.8
BC100	Biochemistry	148	9.9	41	0.9	189	10.8
BE100	Bioethics I	19	1.3	-	-	19	1.3
TOTAL		296	19.8	353	6.1	569	25.9
Semester 2							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
PH100	Physiology	113	7.5	74	1.6	187	9.1
BS100	Behavioural Science and Biostatistics	134	8.9	74	1.6	208	10.5
DS100	Development studies	60	4.0	30	0.6	90	4.6
ER100	Epidemiology and Research	65	4.3	0	0	65	4.3
ER104	Field work Research	0	0	70	1.6-	70	1.6
BE100	Bioethics II	19	1.3	0	0	19	1.3
TOTAL		391	26	248	5.4	639	31.4
Semester 3							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
LM200	Leadership and management	50	3.3	-		50	3.3
PH200	Clinical Physiology	57	3.8	-	-	57	3.8
CP200	Clinical Pharmacology	167	11.1	16	0.4	183	11.5
DS200	Development studies	65	4.3	30	0.7	95	5.0
MC200	Maternal and child health Nursing	85	5.7	100	2.2	185	7.8
TOTAL		427	28.2	186	4.2	600	32.2
Semester 4							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
EP200	Applied Educational Psychology	40	2.7	0	0.0	40	2.7
CH203	Field Work (Community Health Nursing)	0	0	40	0.9	40	0.9
AP200	Advanced principles of Nursing	89	5.9	80	1.8	169	7.7
HE200	Health Education Media and Technology	62	4.1	15	0.3	77	4.4
CD200	Curriculum development	80	5.3	0	0.0	80	5.3
CD206	FIELD WORK (Teaching Practice I Diploma Schools)	0	0	75	1.7	75	1.7
MS200	Medical Surgical Nursing	62	4.2	110	2.4	172	6.2
TOTAL		333	22.2	320	7.1	653	28.9

B.Sc. NED 3 YEAR PROGRAMME

PROGRAMME ORGANIZATION

The programme will be of three academic years for nurses with diploma and four academic years for direct entrants. It will consist of 40 teaching weeks in each academic year. The academic year shall be the basic accounting time unit.

The programme will be structured in semesters. Each academic year will consist of two semesters; each semester lasting for 20 weeks including examinations. There will be a total of 25 courses. The content in each course will be made up of modules using a course unit weighting system in which each 15 hours of theory will constitute one unit, while 45 hours of practical or clinical session will constitute one unit.

The course will cover a total of 13 weeks field work practice for research data collection (4th semester), community health nursing practice (semester 6) and teaching practice in the diploma schools of nursing during semester 6.

There will be a mid-semester break (breather) offered in the middle of each semester. The breather in the first semester will last for three weeks organized to coincide with X-Mass Holiday.

Allow a one-week inter-semester vacation.

There will be University examinations at the end of each semester. External examiners/moderators will be invited during these examinations.

The grade point average (GPA) is adopted for the process of disposal of students, these includes supplementary, discontinuation and repeating a semester (year).

The clinical modules of Principles of Nursing Course will be made up of twelve weeks of practice for diploma entrants and one year and twelve weeks for direct entrants.

The field work modules will be made up of 4 weeks for Community Health Nursing Course.

There will be 20 weeks of field work in Curriculum Development and Management of Health Care and Educational Institutions. Field work for research course will be done during the second year long vacation.

STRUCTURE AND FEATURE OF THE PROGRAMME (B.Sc. NED 3 years)

Semester 1

Code	Name of Course	Theory		Practice		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
AN100	Anatomy	129	8.6	232	5.2	342	3.8
BC100	Biochemistry	148	9.9	41	0.9	189	10.8
BE100	Bioethics I	19	1.3	-	-	19	1.3
TOTAL		296	19.8	273	6.1	550	31.9

Semester 2

Code	Name of Course	Theory		Practice		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
PH100	Physiology	113	7.5	74	1.6	187	9.1
BS100	Behavioural Science and Biostatistics	134	8.9	74	1.6	208	10.5
DS100	Development studies	60	4.0	30	0.6	90	4.6
BE100	Bioethics II	19	1.3	-	-	19	1.3
TOTAL		446	29.7	178	3.8	624	33.5

Semester 3

Code	Name of Course	Theory		Practice		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
MM200	Microbiology/Immunology	114	7.6	76	1.7	190	9.3
PE 200	Parasitology/ Entomology	91	6.0	61	1.3	152	7.3
DS200	Development studies	57	3.8	30	-0.7	-95	3.8
PH 200	Clinical physiology	57	3.8	-	-	57	3.8
TOTAL		327	21.3	167	3.7	494	25.7

Semester 4

Code	Name of Course	Theory		Practice/Field		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
ER200	Epidemiology & Research	65	4.3	-	-	65	4.3
BN200	Basic Nursing II	135	9.1	80	1.8	215	10.9
MS200	Medical Surgical Nursing	166	11.1	150	3.3	316	14.4
MA200	Mental Health & Psychiatric Nursing	56	3.7	70	1.6	126	7.3
ER204	FIELD WORK (RESEARCH)	0	0	70	1.6	70	1.6
TOTAL		422	28.2	370	8.3	792	38.5

Semester 5

Code	Name of Course	Theory		Practice		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
PD300	Paediatric Nursing	69	4.6	139	3.1	208	7.7
MC300	Maternal and Child Health Nursing	130	8.7	150	3.3	280	12.0
CH300	Community Health Nursing	80	5.3	-	-	80	8.0
CP300	Clinical Pharmacology	167	11.1	16	0.4	183	11.5
TOTAL		446	29.7	305	6.8	751	39.2

Semester 6

Code	Name of Course	Theory		Practice		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
LM300	Leadership and Management	55	3.7	80	1.8	135	5.4
AP300	Applied Educational Psychology	80	5.3	0	0	80	5.3
HE300	Health Educational Media Technology	73	4.9	90	2.0	163	6.9
CD300	Curriculum Development	99	6.6	0	0	99	6.6
CD 306 CH 307	Field Work (Teaching Practice & Community Health Nursing)	0	0	435	9.6	435	9.6
TOTAL		307	20.5	605	13.6	912	33.8

Semester 7

<i>Code</i>	<i>Name of Course</i>	<i>Theory</i>		<i>Practice</i>		<i>Total</i>	
		Hrs	Units	Hrs	Units	Hrs	Units
MW 400	Maternal and Child Health Nursing	-	-	600	13.3	600	13.3
PD400	Paediatric Nursing			100	2.2	100	2.2
TOTAL		-	-	700	15.6	700	15.6

Semester 8

<i>Code</i>	<i>Name of Course</i>	<i>Theory</i>		<i>Practice</i>		<i>Total</i>	
		Hrs	Units	Hrs	Units	Hrs	Units
PN 400	Principles of Nursing	-	-	600	13.3	600	13.3
MA400	Mental Health & Psychiatric Nursing	-	-	100	2.2	100	2.2
TOTAL		-	-	700	15.5	700	15.5

BACHELOR OF SCIENCE IN NURSING (B.Sc.N) 4 YEAR PROGRAMME

BACKGROUND

Tanzania is facing a human resource crisis in the health sector. This shortage is mainly caused, amongst other factors, by a low output of qualified staff and mal-distribution in health facilities in the country. The Ministry of Health and Social Welfare intends to minimize the problem of human resource shortage by increasing training output, expansion of students' intake and involvement of the private sector in training health workers who will be able to provide quality health care services. It is in this spirit that the Tanzania Episcopal Conference decided to start a medical school in order to participate in addressing this health human resource crisis.

In the Tanzania Development Vision 2025, the main objective is to achieve high quality livelihood of all Tanzanians. So, training of highly qualified professionals will enable meet this objective. AAMSON-CUHAS is therefore, in line with the Tanzanian vision of 2025. The Archbishop Anthony Mayala School of Nursing (AAMSON), of the Catholic University of Health and Allied Sciences(CUHAS),is undertaking an expansion of its academic programmes. The AAMSON-CUHAS aims at running a four-year Generic Basic Bachelor of Science in Nursing (B. Sc. N) programme which will provide room for Form six leavers to continue with higher learning. The programme aims at producing highly competent nurse graduates who will be responsible for providing quality nursing services to the people of Tanzania and elsewhere.

Like other professional nursing training programs, the programme is intended to prepare nurses who are accountable and responsible for health care in a dynamic society. To this end nurses must be educated to assume current nursing roles and to adapt to future health needs.

We believe graduates of this programme will create a pool that can later focus on clinical practice and those who may wish to join the teaching profession. These different focus areas may later form the basis for the development of various Masters Programmes in line with the current thinking of the Nursing Council.

AIM OF THE PROGRAMME

To strengthen the nursing profession by developing competent nurses with knowledge, skills and positive attitude pertaining to nursing and midwifery care utilising evidence based practice and thus display professional, moral and ethical conduct in order to handle the growing health care needs nationally, regionally and internationally.

EXPECTED COMPETENCIES: On completion of the programme, the graduate is expected to be able to do the following competently:

Professional Cognitive skills

- Apply the knowledge of basic sciences in caring for client/patient with different health conditions.
- Apply effective interpersonal relationship skills at work, within families, clients and the community at large.
- Utilize ethical principles when providing care to clients/patients, families and the community at large
- Apply entrepreneurship skills for self, professional and institutional development in the social, economic and political context.
- Apply the principles of infection prevention and control when caring for clients/patients in all settings.
- Utilize computer skills in processing health information.
- Demonstrate quality nursing care utilizing nurse practice acts and standards.
- Use the research knowledge in provision of evidence based care to client/ patients.
- Utilize nursing process when managing patients/clients in health-related setting.
- Utilize the public health/ Community health knowledge in managing community health problems.
- Apply the principles of teaching/learning during provision of care to patients, co-workers and the community at large.
- Apply leadership and management skills in nursing practice.

Professional Psychomotor Skills

- Demonstrate skills in providing quality care to patients with various conditions in all settings.
- Maintain effective interpersonal relationship skills at work, within families, clients and the community at large.
- Demonstrate ethical principles when providing care to clients/patients, families and the community at large
- Design entrepreneurship project for self, professional and institutional development.
- Maintain the principles of infection prevention and control when caring for clients/patients in all settings.
- Apply computer skills in processing health information.
- Conduct health related research and utilize research findings for evidence-based practice
- Use nursing process when managing patients/clients in health-related setting.
- Demonstrate public health/ Community health skills in managing community health problems.
- Use principles of teaching & learning during provision of care to patients, co-workers and the community at large.
- Demonstrate leadership and management skills and act as a change agent within the political, social, and health care systems in the practice of nursing
- Respond efficiently and effectively to emergency and disaster situations.
- Demonstrate skills in managing client with STI and HIV/AIDS

Professional affective skills

- Share empathetically relevant information regarding sensitive health problems with patients/ clients and families
- Practice ethically and with integrity in maintaining patient's confidentiality, obtaining appropriate informed consent and responding to medical evidence
- Respond professionally to patient/client's cultural diversity, race/ethnicity, age, socioeconomic status, gender, sexual orientation, spirituality, disabilities and other aspects of diversity when providing care to clients.
- Value standards of professional conducts when providing care to patients/clients.
- Observe compassion, respect and sensitivity to patient/client's individuality when giving nursing care
- Use information technology to access medical information and assimilate evidence from scientific studies to manage patients effectively.

SEMESTERISATION / MODULARISATION OF THE PROGRAMME

The BSc.N programme is a four-year semesterized programme. There are eight semesters with courses and modules specified. For basic science courses, they will be taught in a tailored manner. The total number of Credits in this programme is 728. During this programme students will have field practice i.e. research data collection in semester 6, Community health Nursing II in semester 7; Mental Health Nursing II in semester 8.

Important Features in the Semesterized Programme

- The academic year will have two semesters of twenty weeks each.
- Use a weighting system in which 1 Credit = 10 notion hours. These hours include lectures, seminars and tutorials, Assignments, independent studies & Research and Practical training.
- Have a one-week mid-semester break
- Have a two week break between each semester
- Conduct final university examinations at the end of each semester
- Invite external examiners at the end of each semester
- Use the GPA system to assist in disposal of students
- Each course should have at least one continuous assessment

STRUCTURE OF MODULES

Semester 1							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
AN100	Anatomy	129	12.9	232	23.4	361	36.1
BC100	Biochemistry	148	14.8	41	4.1	189	18.9
PS100	Philosophy	40	4.0	-	-	40.0	40.0
NI 100	Nursing Informatics	35	3.5	70	7.0	105	10.5
TOTAL		352	35.2	343	34.3	695	69.5
Semester 2							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
BS 100	Behavioural Science and Biostatistics	140	14.0	-	-	140	14.0
PH 100	Medical Physiology	114	11.4	74	7.4	188	18.8
PC100	Professional Communication Skills ,advocacy and counselling	45	4.5		4.6	91	9.1
NE 100	Nursing Ethics	75	7.5	-	-	75	7.5
DS100	Development studies I	65	6.5	30	3.0	95	9.5
TOTAL		439	43.9	150	15.0	589	58.9
Semester 3							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
MM200	Microbiology/Immunology	114	11.4	76	7.6	190	19.0
PE 200	Parasitology/ Entomology	91	9.1	61	6.1	152	15.2
PH 200	Clinical Physiology	57	5.7	-	-	57	5.7
BN 200	Basic Nursing	135	13.5	90	9.0	145	14.5
DS 200	Developmental Studies II	65	6.5	30	3.0	95	9.5
TOTAL		398	39.8	257	25.7	639	63.9
Semester 4							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
ER 200	Epidemiology and Research Methodology I	60	6.0	20	2.0	80	8.0
MS 200	Medical & Surgical Nursing	90	9.0	150	15.0	240	24.0
MP 200	Mental Health &Psychiatric Nursing	70	7.0	70	7.0	140	14.0
ER 200	Research FIELD WORK	-	-	35	3.5	35	3.5
TOTAL		220	22.0	275	27.5	495	49.5
Semester 5							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
CP300	Clinical Pharmacology	167	16.7	16	1.6	183	18.3
MW 300	Midwifery	140	14.0	140	14.0	280	28.0
PD 300	Paediatric Nursing	69	6.9	135	13.5	204	20.4
CH300	Community Health Nursing	70	7.0	70	-	140	14.0
TOTAL		446	44.6	361	36.1	807	80.7
Semester 6							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
LM 300	Leadership and Management	70	7.0	105	10.5	175	17.5
PL 300	Principles of Learning and Teaching	60	6.0	-	-	60	6.0
CH 300	Community health nursing FIELD PRACTICE	-	-	140	14	140	14.0
NT 300	Nutrition	80	8.0	35	3.5	115	11.5
EP 300	Entrepreneurship	30	3.0	45	4.5	75	7.5

TOTAL		240	24.0	325	32.5	565	56.5
Semester 7							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
MW400	Midwifery Practice	-	-	600	60.0	600	60.0
PD 400	Paediatric Nursing Practice	-	-	100	10.0	100	10.0
TOTAL		-	-	700	70.0	700	70.0
Semester 8							
	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
PN 400	Principles of Nursing	-	-	600	60.0	600	60.0
MA 400	Mental Health and Psychiatric Nursing	-	-	100	10.0	100	10.0
TOTAL		-	-	700	70.0	700	70.0

BACHELOR OF SCIENCE IN NURSING (BSc.N) (STARTED 2020/21)

STRUCTURE OF MODULES

Semester 1: Year 1									
Course Code	Course Name	Core	LH	T/S H	AH	IS H	PH	Total Hrs	Credits
FN100	Foundations & Basic Principles of Nursing	Core	17	9	17	10	51	104	10.4
AN100	Anatomy	Core	85	17	11	34	85	232	23.2
BC100	Biochemistry	Core	85	34	34	32	51	236	23.6
EP100	Introduction to Professionalism & Ethics	Core	17	7	7	5	0	36	3.6
Total			204	67	69	81	187	608	60.8
Semester 2: Year 1									
Course Code	Course Name	Core	LH	T/S H	AH	ISH	PH	Total Hrs	Credits
NA100	Neuroanatomy	Core	17	17	11	11	34	90	9.0
HP100	Health Psychology	Core	34	17	7	7	0	65	6.5
HS100	Health Sociology	Core	34	17	4	5	0	60	6.0
PH100	Physiology	Core	119	34	34	52	51	290	29.0
IC100	ICT and Communication skills	Core	17	17	17	6	51	108	10.8
Total			221	102	73	81	136	613	61.3
Semester 3: Year 2									
Course Code	Course Name	Core	LH	T/S H	AH	ISH	PH	Total Hrs	Credits
MI200	Microbiology & Immunology	Core	85	17	10	14	68	194	19.4
PE200	Parasitology & Medical Entomology	Core	51	17	10	7	34	119	11.9
BE200	Biostatistics and Epidemiology	Core	85	34	34	18	34	205	20.5
DS200	Development studies	Core	34	17	14	25	0	90	9.0
Total			255	85	68	64	136	608	60.8
Semester 4: Year 2									
Course Code	Course Code	Core	LH	T/S H	AH	ISH	PH	Total Hrs	Credits
CP200	Clinical Pharmacology	Core	102	34	17	11	34	198	19.8
AP200	Advanced Principles of Nursing	Core	34	17	10	10	34	105	10.5
NR200	Nursing Research	Core	17	17	17	17	34	102	10.2
T&L200	Teaching and Learning in Clinical Practice	Core	34	17	17	17	34	119	11.9
CH200	Community Health Nursing	Core	34	17	20	7	0	78	7.9
Total			221	119	81	62	119	602	60.2

Semester 5: Year 3									
Course Code	Course Name	Core	LH	T/S H	AH	ISH	PH	Total Hrs	Credits
EP300	Ethics and Professionalism	Core	34	17	12	10	12	85	8.5
MS300	Medical-Surgical Nursing	Core	85	34	17	11	180	327	32.7
LE300	Leadership & Management and Entrepreneurship	Core	80	34	20	20	34	188	18.8
Total			170	68	81	67	214	600	60.0
Semester 6: Year 3									
Course Code	Course Name	Core	LH	T/S H	AH	ISH	PH	Total Hrs	Credits
MW300	Midwifery	Core	68	34	17	7	180	306	30.6
PN300	Paediatric Nursing	Core	51	17	7	7	70	152	15.2
MH300	Mental Health	Core	51	17	7	7	70	152	15.2
Total			170	68	31	21	320	610	61.0
Semester 7: Year 4									
Course Code	Course Name	Core	LH	T/S H	AH	ISH	PH	Total Hrs	Credits
MP400	Midwifery Practice	Core	4	17	17	16	96	150	15.0
CH400	Community health field	Core	4	17	17	16	96	150	15.0
AR400	Applied Research fieldwork	Core	4	17	17	16	96	150	15.0
PN400	Pediatric Nursing Practice	Core	4	17	17	16	96	150	15.0
Total			16	68	68	64	384	600	60.0
Semester 8: Year 4									
Course Code	Course Name	Core	LH	T/S H	AH	ISH	PH	Total Hrs	Credits
FP400	Forensic Psychiatry Field (MH 400)	Core	8	8	17	17	250	300	30.0
MS400	Medical-surgical practice (MS400)	Core	8	8	17	17	250	300	30.0
Total			16	16	34	34	500	600	60.0
Total per programme			1273	593	505	474	1996	4841	484.1
%			26.3	12.3	10.4	9.8	41.2	100%	

BACHELOR OF SCIENCE IN NURSING (BSc.N) (3 years programme)

BACKGROUND

The Archbishop Anthony Mayala School of Nursing (AAMSON), of the Catholic University of Health and Allied Sciences (CUHAS), is undertaking an expansion of its academic programmes. The institution is aware of the increasing need for general nurses and midwives with higher qualifications; an answer to the aspirations of many post registered nurses who wish to advance themselves with further studies at a degree level in line with the professional goals of the 21st century and of the country at large.

AAMSON –CUHAS aims at running a three-year Post Basic Bachelor of Science in Nursing (B.Sc.N) programme which will produce highly competent nurse graduates who will be responsible for providing quality nursing services to the people of Tanzania and elsewhere. In so doing this will provide room for Nurses to continue with higher learning to achieve advanced skills which will enable them perform duties competently. The World Health Organization (WHO) advocates for skilled and motivated health workers in producing good health services and increase performance of health systems (WHO World Health Report, 2006). Moreover, Primary Health Care Development Programme (PHCDP) (2007-15) urges the nation to strengthen and expand health services at ALL levels. This can only be achieved when the nation has adequate, appropriately trained and competent work force that can be deployed in the health facilities to facilitate the provision of quality health care services.

We believe graduates of this programme will create a pool that can later focus on clinical practice and those who may wish to join the teaching profession. These different focus areas may later form the basis for the development of various Masters Programmes in line with the current thinking of the Nursing Board.

AIM OF THE PROGRAMME

To strengthen the nursing profession by developing competent nurses with knowledge, skills and positive attitude pertaining to nursing and midwifery care utilising evidence based practice and thus display professional, moral and ethical conduct in order to handle the growing health care needs nationally, regionally and internationally.

EXPECTED COMPETENCIES

On completion of the programme, the graduate is expected to be able to do the following competently:

Professional Cognitive skills

- Apply the knowledge of basic sciences in caring for client/patient with different health conditions.
- Apply effective interpersonal relationship skills at work, within families, clients and the community at large.
- Utilize ethical principles when providing care to clients/patients, families and the community at large

- Apply entrepreneurship skills for self, professional and institutional development in the social, economic and political context.
- Apply the principles of infection prevention and control when caring for clients/patients in all settings.
- Utilize computer skills in processing health information.
- Demonstrate quality nursing care utilizing nurse practice acts and standards.
- Use the research knowledge in provision of evidence based care to client/ patients.
- Utilize nursing process when managing patients/clients in health-related setting.
- Utilize the public health/ Community health knowledge in managing community health problems.
- Apply the principles of teaching/learning during provision of care to patients, co-workers and the community at large.
- Apply leadership and management skills in nursing practice.

Professional Psychomotor Skills

- Demonstrate skills in providing quality care to patients with various conditions in all settings.
- Maintain effective interpersonal relationship skills at work, within families, clients and the community at large.
- Demonstrate ethical principles when providing care to clients/patients, families and the community at large
- Design entrepreneurship project for self, professional and institutional development.
- Maintain the principles of infection prevention and control when caring for clients/patients in all settings.
- Apply computer skills in processing health information.
- Conduct health related research and utilize research findings for evidence-based practice
- Use nursing process when managing patients/clients in health-related setting.
- Demonstrate public health/ Community health skills in managing community health problems.
- Use principles of teaching & learning during provision of care to patients, co-workers and the community at large.
- Demonstrate leadership and management skills and act as a change agent within the political, social, and health care systems in the practice of nursing
- Respond efficiently and effectively to emergency and disaster situations.
- Demonstrate skills in managing client with STI and HIV/AIDS

Professional affective skills

- Share empathetically relevant information regarding sensitive health problems with patients/ clients and families
- Practice ethically and with integrity in maintaining patient's confidentiality, obtaining appropriate informed consent and responding to medical evidence

- Respond professionally to patient/client's cultural diversity, race/ethnicity, age, socioeconomic status, gender, sexual orientation, spirituality, disabilities and other aspects of diversity when providing care to clients.
- Value standards of professional conducts when providing care to patients/clients.
- Observe compassion, respect and sensitivity to patient/client's individuality when giving nursing care
- Use information technology to access medical information and assimilate evidence from scientific studies to manage patients effectively.

SEMESTERISATION / MODULARISATION OF THE PROGRAMME

The BSc.N programme is a three-year semesterized programme. There are six semesters with courses and modules specified. For basic science courses, they will be taught in a tailored manner. The total number of Credits in this programme is 368. The previous Credits obtained in the Diploma Programme were 360. Therefore, the cumulative credits from the lowest level to this level are 728. During this programme the students will also have field practice during semester 5 on research data collection and Community Health Nursing II and Mental Health Nursing.

Important Features in the Semesterized Programme

- The academic year will have two semesters of twenty weeks each.
- Use a weighting system in which 1 Credit = 10 notion hours. These hours include lectures, seminars and tutorials, Assignments, independent studies & Research and Practical training.
- Have a one-week mid-semester break
- Have a two week break between each semester
- Conduct final university examinations at the end of each semester
- Invite external examiners at the end of each semester
- Use the GPA system to assist in disposal of students
- Each course should have at least one continuous assessment

STRUCTURE OF MODULES

Semester 1							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
AN100	Anatomy	129	12.9	232	23.2	361	36.1
BC100	Biochemistry	148	14.8	40	4.0	189	18.9
PS100	Philosophy	40	4.0	-	-	40	4.0
TOTAL		317	31.7	272	27.2	590	59.0
Semester 2							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
BS100	Behavioural Science and Biostatistics	140	14.0	-	-	140	14.0
PH100	Physiology	114	11.4	74	7.4	188	18.8
PC100	Professional Communication Skills, advocacy and counselling	45	4.5	46	4.6	91	9.1
NE100	Nursing Ethics	75	7.5	-	-	75	7.5
DS100	Developmental Studies I	65	6.5	30	3.0	95	9.5
TOTAL		439	43.9	150	15.0	589	58.9
Semester 3							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
MM200	Microbiology/Immunology	114	11.4	76	7.6	190	19.0
PE200	Parasitology/ Entomology	91	9.1	61	6.1	152	15.2
NI 200	Nursing Informatics	35	3.5	70	7.0	105	10.5
BN 200	Basic Nursing	55	5.5	90	9.0	145	14.5
DS200	Development studies II	65	6.5	30	3.0	95	9.5
TOTAL		305	30.5	237	23.7	542	54.2
Semester 4							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
ER200	Epidemiology & Research Methodology I	60	6.1	20	2.0	80	8.0
MW200	Midwifery	80	8.0	100	10.0	180	18.0
AD 200	Advanced Concepts in Nursing	65	6.5	130	13.0	195	19.5
CH 200	Community Health Nursing I	40	4.0	-	-	40	4.0
NT200	Nutrition	50	5.0	35	3.5	85	8.5
TOTAL		325	32.5	330	33.0	655	65.5
Semester 5							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
CP 300	Clinical Pharmacology	167	16.7	16	1.6	183	18.3
MS 300	Medical & Surgical Nursing	140	14.0	140	14.0	280	28.0
ER300	Epidemiology and Research Methodology II (FIELD PRACTICE)	-	-	35	3.5	35	3.5
TI 300	Trends and Issues in Nursing	30	3.0	-	-	30	3.0
MP300	Mental Health & Psychiatric Nursing I	70	7.0	70	7.0	140	17.0
TOTAL		407	40.7	261	26.1	668	66.8
Semester 6							
Code	Name of Course	Theory		Practice		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
LM 300	Leadership and management	70	7.0	105	10.5	175	17.5
PL 300	Principles of learning and Teaching	60	6.0	-	-	60	6.0
CH 300	Community health Nursing FIELD	-	-	140	14.0	140	14.0
PD 200	Paediatric Nursing	85	8.5	135	13.5	220	22.0
EP 300	Entrepreneurship	30	3.0	45	4.5	75	7.5
TOTAL		250	25.2	415	41.5	665	66.5

DIRECTORATE OF POSTGRADUATE STUDIES



Prof. Jeremiah Seni

MD (UDSM); M.Med. (Makerere), PhD (Calgary)

Introduction

The Directorate of Postgraduate studies coordinates and oversees all Postgraduate Programmes at CUHAS. It is currently managing all Masters of Medicine programmes (M.Med), Masters of Science in Paediatric Nursing (M.Sc PN), Masters of Public Health (MPH), Master of Science in Clinical Microbiology and Diagnostic Molecular Biology (MSc. CMDMB), and Doctor of Philosophy (PhD) programmes.

THE MASTER OF MEDICINE (M.MED) PROGRAMMES



The Catholic University of Health and Allied Health Sciences-Bugando (CUHAS-Bugando) currently runs Master of Medicine programmes in the following specialties: Internal Medicine, Surgery, Paediatrics and Child Health, and Obstetrics and Gynaecology.

MASTER OF MEDICINE PROGRAMMES

The Catholic University of Health and Allied Health Sciences-Bugando (CUHAS-Bugando) currently runs Master of Medicine programmes in the following specialties: Internal Medicine, Surgery, Paediatrics and Child health, Obstetrics and Gynaecology, and Anaesthesiology.

SUMMARY OF THE MASTER OF MEDICINE (MMed) CURRICULUM

These are three years programmes to be offered in six semesters.

Semester I will cover biomedical science subjects relevant to the specialty. It will also cover the theoretical and technical background on the various relevant technical investigations.

Semesters 2 to 6 will cover the specific clinical subjects of the different specialties as indicated below.

MASTER OF MEDICINE (MMed) IN INTERNAL MEDICINE

Objectives of the Programme

To produce highly skilled and competent internists with sound scientific principles of international standard required for a specialist in internal medicine.

Program expected learning outcomes

Knowledge	<ul style="list-style-type: none">i. Comprehend scientific knowledge of Physiology, Biochemistry, Microbiology & Immunology, Clinical Pharmacology, Epidemiology and Research Methods relevant to the needs of medical patient.ii. Apply new innovations in the medical field and other related fields through continuing education and multidisciplinary interactions.iii. Demonstrate competency in the teaching of undergraduate medical students and other allied health cadres.
Skills	<ul style="list-style-type: none">i. Manage competently all medical problems in the fields of infectious diseases, cardiology, nephrology, neurology, gastroenterology, dermatology, rheumatology, nutrition and metabolic diseases.ii. Comprehend laboratory, radiological and endoscopic investigations to reach appropriate diagnosis for specific npatients' management.iii. Plan and conduct clinical medical research competently relevant to the needs of the medical patient and communityiv. Demonstrate leadership competency in the appropriate or related field of his/her training.
Attitude	<ul style="list-style-type: none">i. Demonstrate high professional & ethical standards in the course of his professional medical practice in Internal Medicine towards patients, colleagues and the community.
Competences	<ul style="list-style-type: none">i. Manage competently all medical problems in the fields of infectious diseases, cardiology, nephrology, neurology, gastroenterology, dermatology, rheumatology, nutrition and metabolic diseases.ii. Plan and conduct clinical medical research competently relevant to the needs of the medical patient and community

Normal learning Matrix

All courses in this programme are core

Year/ Semester	Code	Course title	LH	TH	AS	PH	IS	CH	Credits
Year 1 Semester 1	PY600	Clinical Physiology	42	62	40	60	76	280	28.0
	BC600	Clinical Biochemistry	32	48	30	88	62	260	26.0
	MI600	Microbiology and Immunology	50	88	40	90	52	320	32.0
	CP600	Clinical Pharmacology	48	78	40	74	60	300	30.0
	ER600	Epidemiology, Biostatistics and Research Methods	30	24	36	80	20	190	19.0
	ME600	Medical ethics and professionalism	20	10	5	0	5	40	4.0
	Total year 1 semester 1		222	310	191	392	275	1390	135.0
Year 1 Semest	ID600	Infectious Diseases	48	92	40	96	64	340	34.0
	CD600	Cardiology	42	82	33	113	50	320	32.0
	RD600	Respiratory diseases	36	72	20	92	40	260	26.0
	Total year 1 semester 2		126	246	93	301	154	920	92.0
	Total year I		348	556	284	693	429	2310	231.0
Year 2 Semester 1	DM700	Dermatology	30	60	20	80	30	220	22.0
	HM700	Hematology	24	48	30	108	50	260	26.0
	NM700	Nutrition and Metabolic Diseases	52	104	40	114	50	360	36.0
	DT700	Dissertation I (proposal development)	20	20	10	10	70	130	13.0
	Total year 2 semester 1		126	232	100	312	200	970	97.0
Yer 2 Semester 2	RT700	Rheumatology	20	38	30	72	40	200	20.0
	GT700	Gastroenterology	46	92	40	140	42	360	36.0
	NE700	Neurology	36	72	25	152	35	320	32.0
	DT700	Dissertation II (Data collection)	0	10	30	80	50	170	17.0
	Total year 2 semester 2		102	212	125	444	167	1050	105.0
	Total Year II		228	444	225	756	367	2020	202.0
Year 3 Semester	NP800	Nephrology	34	72	30	134	50	320	32.0
	GR800	Geriatrics	8	22	60	80	90	260	26.0
	DT800	Dissertation III (Data analysis)	20	10	20	300	40	390	39.0
	Total year 3 semester 1		62	104	110	514	180	970	
Year 3 Semester 2	CT800	Chronic Disorders and Terminal Care	4	8	20	64	24	120	12
	PD800	Paediatrics	4	8	16	72	20	120	12
	PS800	Psychiatry	4	8	16	72	20	120	12
	DT800	Dissertation IV (report writing and viva voce)	0	20	20	60	40	140	14
	AP800	Advanced Clinical Practice	12	42	68	192	106	420	42
	Total year 3 semester 2		24	86	140	460	210	920	92
	Total Year III		86	190	250	974	390	1890	189.0

Year/ Semester	Code	Course title	LH	TH	AS	PH	IS	CH	Credits
TOTAL HOURS AND CREDITS			662	1190	759	2423	1186	6220	622.0

NOTE: All courses are core

KEY:	IS: Independent studies
LH: Lecture Hours	CU: Credit unit
TH: Tutorial Hours	CH: Credit Hours
AH: Assignment Hours	10 Notional Hours= 1 CREDIT UNIT
PH: Practical or Field work hours	Numbering: Programme, Year, Semester, Course

MASTER OF MEDICINE (MMed) IN OBSTETRICS AND GYNAECOLOGY

Objectives of the Programme

The main objective of this programme is to train suitable candidates to become highly skilled and competent Obstetricians and Gynaecologists. On successful completion of the training the graduate in MMed Obstetrics and Gynaecology is expected to be able to work independently with sound scientific principles of international standard required for a specialist in Obstetrics and Gynaecology, and have the knowledge, skills, attitude and ethics, related to the profession.

Program expected learning outcomes

Knowledge	<ul style="list-style-type: none"> Recognize basic scientific knowledge underlying different obstetrics and gynaecology disorders Analyse structure, functioning, development and growth for the normal and abnormal reproductive systems. Understand basic concepts of laboratory procedures necessary for diagnosis and treatment of obstetric and gynaecological disorders Identify and discuss common problems related to normal and abnormal labour Describe different management modalities for obstetrics and gynaecological problems
Skills	<ul style="list-style-type: none"> Assess patients clinically and interpret laboratory and/or radiological investigations to reach the right diagnosis. Manage appropriately obstetrics/gynaecological conditions Perform surgical procedures in obstetrics and gynaecology Interpret research findings that are necessary to improve patient care in obstetrics/gynaecology.
Competences	<ul style="list-style-type: none"> Demonstrate ability to prioritize professional duties effectively when faced with multiple patients and problems Practice in a manner ethically, morally and culturally sensitive to clients' needs Communicate with other health care providers

Normal learning Matrix

All courses in this program are core

Year 1 Semester 1

Course Code	Course title	LH	TH	AS	IS	PH	TOTAL	Credits
ER600	Epidemiology and Research Methods	56	30	7	19	48	160	16
AN 600	Applied Anatomy	68	52	12	24	84	240	24
RP 600	Reproductive Physiology	30	30	20	60	30	170	17
PH 600	Clinical Physiology	85	45	30	90	30	280	28
CP 600	Clinical Pharmacology	107	58	25	90	30	310	31
MI 600	Microbiology & Immunology	104	54	17	100	45	320	32

GP 600	Gynaecologic Pathology	72	72	14	50	72	280	28
Total		522	341	128	430	339	1760	176

Year 1 Semester 1

Course Code	Course title	LH	TH	AS	PH	IS	Total	Credits
CL 600	Clinical Approach to Gynaecologic and Obstetric patients	30	20	10	30	20	110	11
PO 600	Preventive Obstetrics	40	20	15	45	20	140	14
BR 600	Breast function and its disorders	60	20	10	50	60	200	20
Total		130	60	35	125	100	450	45

Year 2 Semester 1

Course Code	Course title	LH	TH	AS	PH	IS	Total	Credits
GG 700	General gynaecology	40	40	20	60	80	240	24
GN700	Gynaecologic Neoplasia /oncology	260	160	30	200	200	850	85
Total		300	200	50	260	280	1190	119

Semester 2 Year 2

Course Code	Course title	LH	TH	AS	IS	PH	Total hrs	Credits
SP700	Problems of sex, marriage and pregnancy subjects	40	40	20	60	80	240	24
DI 700	Dissertation	20	40	30	200	260	550	55
Total Year II		60	80	50	260	340	790	79

Semester 1 Year 3

Course Code	Course title	LH	TH	AS	IS	PH	Total	Credits
PL 800	Pregnancy and labour abnormalities	120	140	30	120	200	610	61
CC 800	Common complications of pregnancy	120	150	30	120	200	620	62
Total		240	290	60	240	400	1230	123

Semester 2 Year 3

Course Code	Course title	LH	TH	AS	IS	PH	Total hrs	Credits
OP 800	Other Obstetrical problems	100	70	10	90	100	470	47
ME 800	Ethics in Obstetrics and Gynaecology	10	40	5	15	40	110	11
Total Year III		110	110	15	105	140	580	58

KEY

LH: Lecture Hours	AS: Assignment hours
TH: Tutorial Hours	IS: Independent studies
PH: Practical or Field work hours	10 Notional Hours= 1 CREDIT

MASTER OF MEDICINE (MMed) IN SURGERY

Objectives of the Programme

To produce highly skilled and competent surgeon with sound scientific principles of international standard required for a specialist in general surgery.

Programme Expected Learning Outcomes

Knowledge	<ul style="list-style-type: none"> Apply scientific knowledge of anatomy, physiology, Microbiology pathology and pharmacology and biochemistry relevant to the needs of the surgical patient. Discover and assess community surgical needs in the community and propose appropriate scientific interventions. Plan and conduct clinical medical research competently relevant to the needs of the general surgery patient and community
Skills	<ul style="list-style-type: none"> Accurately notice the signs for various surgical disorders Competently perform all general surgical operations
Competences	<ul style="list-style-type: none"> Demonstrate competency in the teaching of undergraduate medical students and other allied health cadres Demonstrate high professional & ethical standards in the course of his professional medical practice in Surgery. Demonstrate leadership competency in the appropriate or related field of his/her training

Normal learning matrix and Corse Matrix

All courses in this programme are core

Semester 1 Year 1

Code	Course title	LH	T/SH	AS	IS	PH	CH	CU
SN 600	Surgical anatomy	49	44	36	51	140	320	32.0
SP 600	Surgical physiology	51	31	31	37	20	170	17.0
PA 600	Surgical pathology	73	46	46	49	26	240	24.0
ER 600	Epidemiology and Research methods	54	36	38	42	20	190	19.0
MI 600	Microbiology and Immunology	95	61	61	71	33	320	32.0
CP 600	Clinical Pharmacology	70	44	40	57	19	230	23.0
Total		392	262	252	307	258	1470	147.0

Semester 2 Year 1

Code	Course title	LH	T/SH	AS	IS	PH	CH	CU
PS 600	Principles of surgery	48	48	48	64	112	320	32.0
UG 600	Urology	48	50	50	66	116	330	33.0
CA 600	Clinical Apprenticeship I	-	-	-	160	120	280	28.0
Total		96	98	98	290	348	930	93.0

Semester 1 Year 2

Code	Course title	LH	T/SH	AS	IS	PH	CH	CU
AS 700	Abdominal surgery	72	72	72	96	168	480	48.0

PS 700	Paediatric surgery	48	48	48	64	112	320	32.0
CA 700	Clinical Apprenticeship II	0	0	0	80	200	280	28.0
RP 700	Research Proposal Development	0	4	12	14	20	50	5.0
Total		120	124	132	254	500	1130	113.0

Semester 2 Year 2

Code	Course title	LH	T/SH	AS	IS	PH	CH	CU
OT 700	Orthopaedic and Trauma	66	66	66	88	154	440	44.0
AN 700	Anaesthesia	44	44	44	58	100	290	29.0
CA 700	Clinical Apprenticeship III	0	0	0	200	80	280	28.0
RP 700	Research Proposal Development	0	0	0	40	90	130	13.0
Total		110	110	110	386	424	1140	114.0

Semester 1 Year 3

Code	Course title	LH	T/SH	AS	IS	PH	CH	CU
TS 800	Thoracic surgery	54	54	54	54	144	360	36.0
HN800	Head and neck surgery	57	57	57	57	152	380	38.0
GY 800	Gynaecology	14	12	14	14	36	90	9.0
CA 800	Clinical Apprenticeship IV	0	0	0	140	140	280	28.0
DC 800	Data Collection	0	0	0	0	240	240	24.0
Total		125	123	125	265	712	1350	135.0

Semester 2 Year 3

Code	Course title	LH	T/SH	AS	IS	PH	CH	CU
NS 800	Neurosurgery	54	54	54	54	144	360	36.0
RA 800	Recent advances	52	52	52	52	142	350	35.0
CA 800	Clinical Apprenticeship V	0	0	0	50	140	190	19.0
DT 800	Dissertation Writing	0	4	20	50	76	150	15.0
Total		106	110	126	206	502	1050	105.0
GRAND TOTAL							7070	707.0

KEY	IS:Independent studies PH:Practical or Field work hours CH:Contact Hours CU: Credit Units
LH:Lecture Hours T/SH:Tutorial/Seminar Hours AS: Assignment Hours	

MASTER OF MEDICINE (MMed) IN PAEDIATRICS AND CHILD HEALTH

Objectives of the Programme

To produce highly skilled and competent Paediatricians with sound scientific principles of international standard required for MMed Paediatrics degree holder.

Program expected learning outcomes

Knowledge	<ul style="list-style-type: none">• Comprehend scientific knowledge of Physiology, Biochemistry, Microbiology & Immunology, Clinical Pharmacology, Epidemiology and Research Methods relevant to the needs of pediatric patients.• Comprehend all paediatric problems in the fields of Neonatology, Emergencies in Childhood, Developmental Paediatrics, Infectious Diseases and Tropical Paediatrics, Nutrition and Metabolic Disorders and Storage Diseases, Paediatric cardiology, Paediatric nephrology, Paediatric gastroenterology, Paediatric dermatology, Paediatric endocrinology and Paediatric oncology.• Comprehend laboratory, radiological and endoscopic investigations to reach appropriate diagnosis for specific pediatric patient's management.
Skills	<ul style="list-style-type: none">• Apply scientific knowledge of Physiology, Biochemistry, Microbiology & Immunology, Clinical Pharmacology, Epidemiology and Research Methods relevant to the needs of paediatric patients.• Manage competently all paediatric problems in the fields of Neonatology, Emergencies in Childhood, Developmental Paediatrics, Infectious Diseases and Tropical Paediatrics, Nutrition and Metabolic Disorders and Storage Diseases, Paediatric cardiology, Paediatric nephrology, Paediatric gastroenterology, Paediatric dermatology, Paediatric endocrinology and Paediatric oncology.• Discover and assess pediatric medical conditions in the community and propose appropriate scientific interventions.• Apply rationally laboratory, radiological and endoscopic investigations to reach appropriate diagnosis for specific pediatric patients' management.• Apply new innovations in the pediatric medical field and other related fields through continuing education and multidisciplinary interactions.
Attitudes	<ul style="list-style-type: none">• Demonstrate high professional & ethical standards in the course of his or her professional medical practice towards patients, colleagues and the community.• Bestow leadership competency in the appropriate or related field of his/her training.
Competences	<ul style="list-style-type: none">• Manage competently all paediatric problems in the fields of Neonatology, Emergencies in Childhood, Developmental Paediatrics, Infectious Diseases and Tropical Paediatrics, Nutrition and Metabolic Disorders and Storage Diseases, Paediatric cardiology, Paediatric nephrology, Paediatric gastroenterology, Paediatric dermatology, Paediatric endocrinology and Paediatric oncology.• Demonstrate competency in the teaching of undergraduate medical students and other allied health cadres

	<ul style="list-style-type: none"> Plan and conduct clinical medical research competently relevant to the needs of the medical patient and community
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Normal learning Matrix

All courses in this program are core

Semester 1 Year 1

Course Code	Course title	LH	TH	AS	IS	PH	CH	CU
PY600	Clinical Physiology	85	45	42	78	30	280	28.0
BC600	Clinical Biochemistry	80	30	30	90	30	260	26.0
MI600	Microbiology and Immunology	104	54	35	85	45	320	32.0
CP600	Clinical Pharmacology	107	58	30	90	30	310	31.0
ER600	Epidemiology, Research Methods and Biostatistics	30	24	18	38	80	190	19.0
Total		406	211	155	381	215	1,360	136.0

Semester 2 Year 1

Course Code	Course title	LH	TH	AS	IS	PH	CH	CU
GP600	General Paediatrics and Child Health	80	70	20	144	288	600	60.0
NE600	Neonatology, Paediatric Emergencies and Critical care	74	48	20	80	208	430	43.0
CL600	Clinical Apprenticeship I	-	-	20	70	180	270	27.0
Total		154	118	60	294	676	1,300	130.0

Semester 1 Year 2

Course Code	Course title	LH	TH	AS	IS	PH	CH	CU
NG700	Nutrition and gastroenterology	64	50	20	110	236	480	48.0
PA 700	Pulmonology and allergic disorder	44	34	11	65	166	320	32.0
CL700	Clinical Apprenticeship II	-	-	8	30	112	150	15.0
CD700	Concept development			20	50	160	230	23.0
Total		108	84	59	255	674	1,160	116.0

Semester 2 Year 2

Course Code	Course title	LH	TH	AS	IS	PH	CH	CU
CH700	Cardiology and Haemato-oncology	120	62	30	146	352	710	71.0
CL700	Clinical Apprenticeship III	-	-	20	76	174	270	27.0
PD700	Proposal Development	-	-	20	30	130	180	18.0
Total		120	62	70	252	656	1,160	116.0

Semester 1 Year 3

Course Code	Course title	LH	TH	AS	IS	PH	CH	CU
NR800	Neurology, metabolic disorders and endocrinology	130	70	30	144	338	720	72.0
PN800	Paediatric nephrology	19	6	8	16	34	80	8.0
RA800	Paediatric rheumatology and autoimmune condition	37	12	8	40	78	170	17.0
CL800	Clinical Apprenticeship IV	-	-	16	60	184	260	26.0
DC800	Data collection	-	-	-	-	180	180	18.0

Total		186	88	62	260	814	1,410	141.0
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Semester 2 Year 3

Course Code	Course title	LH	TH	AS	IS	PH	CH	CU
ID800	Infectious Diseases and Tropical Paediatrics	86	50	20	94	280	530	53.0
CL800	Clinical Apprenticeship V	-	-	16	70	224	310	31.0
DT800	Dissertation	-	-	-	20	160	180	18.0
Total		86	50	36	184	664	920	92.0

KEY

LH:	Lecture Hours	IS:	Independent studies
TH:	Tutorial Hours	CH:	Contact Hours
PH:	Practical or Field work hours	CU:	Credit Unit
AS:	Assignment Hours		

MASTER OF MEDICINE (MMed) IN ORTHOPEDICS AND TRAUMA

Objectives of the Programme

To produce highly skilled and competent orthopedic surgeons capable of diagnosing and treating patients with incapacities of the spine and extremities.

To provide skilled Orthopaedic surgeons who are capable of teaching paramedical personnel, medical learners, interns, medical officers and surgical registrars the principles of diagnosing and treating patients with incapacities of the spine and extremities.

Program expected learning outcomes

At the end of the programme the student should be able to:

Competence Domain	Learning outcomes
Knowledge	Apply scientific knowledge of anatomy, physiology, pathology and biochemistry relevant to the needs of the surgical patient.
Skills	<ul style="list-style-type: none"> Manage competently all orthopedic problems including emergency general surgical conditions, trauma, adult and pediatric orthopedic problems and common reconstructions and neurosurgical affections.
Competences	<ul style="list-style-type: none"> Demonstrate competency in the teaching of undergraduate medical learners and other allied health cadres Plan and conduct clinical medical research competently relevant to the needs of the surgical patient and community. Discover and assess community surgical needs in the community and propose appropriate scientific interventions Demonstrate leadership competency in the appropriate or related field of his/her training.
Attitude	<ul style="list-style-type: none"> Demonstrate high professional & ethical standards in the course of his professional medical practice in surgery.

Normal learning Matrix

All courses in this program are core

Year/Semester	Code	Course title	LH	TH	IS	PH	AS	Tt.H	Credits
Year 1 Semester 1	CA 600	Clinical anatomy	36	18	18	72	6	150	15.0
	MI 600	Microbiology & Immunology	36	18	9	18	12	93	9.3
	AP 600	Advanced Pathology	18	18	9	18	6	69	6.9
	PH 600	Clinical Physiology	36	18	18	18	10	100	10.0
	ER 600	Epidemiology, Biostatistics & Research Methodology	18	18	18	36	10	100	10.0
	CP 600	Clinical Pharmacology	54	18	18	18	10	118	11.8

Semester Total			198	108	90	180	54	630	63.0
Year 1 Semester 2	BT 600	Biomechanics of Trauma	9	9	25	144	9	196	19.6
	UT 600	Upper Limb Trauma	9	9	26	144	9	197	19.7
	LT 600	Lower Limb and Pelvic Trauma	9	9	27	144	9	198	19.8
	ST 600	Soft Tissues Trauma	9	9	30	144	9	201	20.1
Semester Total			36	36	108	576	36	792	79.2
Year 2 Semester 1	AB 700	Adult Orthopedics of Bones and Joints	9	12	30	126	10	187	18.7
	ND 700	Adult Orthopedics Neuromuscular Diseases	9	12	30	126	10	187	18.7
	AM 700	Adult Orthopedics Musculoskeletal Tumors	9	12	30	126	10	187	18.7
	HF 700	Adult Orthopedics of Hand, Foot & Spine	9	9	27	126	10	181	18.1
	RP 700	Research proposal preparation	0	9	27	54	14	104	10.4
Semester Total			36	54	144	558	54	846	84.6
Year 2 Semester 2	MD 700	Musculoskeletal Development	9	9	45	126	20	209	20.9
	CD 700	Congenital Deformities	9	9	45	126	18	207	20.7
	PN 700	Pediatrics Neuromuscular Diseases	9	9	45	126	16	205	20.5
	GS 700	General surgery & Neurosurgery	9	9	45	126	18	207	20.7
Semester Total			36	36	180	504	72	828	82.8
Year 3 Semester 1	PT 800	Pediatrics Trauma	18	18	36	126	18	216	21.6
	DC 800	Data collection for Dissertation	0	0	36	450	-	486	48.6
Semester Total			18	18	72	576	18	702	70.2
Year 3 Semester 2	XR 800	External rotations	9	9	72	360	15	465	46.5
	DD 800	Dissertation writing and defense	9	9	180	144	21	363	36.3
Semester Total			18	18	252	504	36	828	82.8
GRAND TOTAL			342	270	846	2898	270	4626	462.6

KEY

LH: Lecture Hours	IS: Independent studies
TH: Tutorial Hours	CH: Contact Hours
PH: Practical or Field work hours	CU: Credit Unit
AS: Assignment Hours	
10 Notional Hours= 1 Credit	

MASTER OF MEDICINE (MMed) IN ANATOMICAL PATHOLOGY

Objectives of the Programme

The Master of Medicine in Anatomical Pathology will produce a competent pathologist who is able to:

- Provide expertise professional diagnostic services in surgical pathology and cytopathology.
- Be competent in performing Clinical and Forensic autopsies
- To produce trainers in histology, cytology and diagnostic molecular biology in Tanzanian institutions and elsewhere.
- To produce competent graduates who can conduct high quality research that can translate into policy.
- Be a good researcher in Pathology and other health related fields
- Have the ability to manage a laboratory and/or a health care facility
- To offer consultancy in pathology, laboratory medicine and general medical services including running a tumour board and cancer registry

Programme learning outcomes

At the end of the programme the student should be able to:

Competence Domain	Learning outcomes
Knowledge	<ul style="list-style-type: none">• Discuss principles of pathology• Discuss principles forensic and clinical autopsy• Review epidemiology and biostatistics in relation to pathology• Describe entrepreneurship in relation to pathology and laboratory medicine.
Skills	<ul style="list-style-type: none">• Evaluate the impact of the existing national diagnostics guidelines in pathology and laboratory medicine and precisely advice on improving them.• To interpret histopathological and cytopathological samples with use of cytochemical and immunohistochemical stains• Develop, execute and analyse standard operating procedures (SOPs) for quality control and assurance (QC&QA) in pathology and laboratory medicine. Develop research questions and design research methods for answering them

Competences	<ul style="list-style-type: none"> Plan and manage health, industrial and medical research laboratories. Perform and interpret results of relevant laboratory diagnostic tests. Integrate epidemiological and statistical skills in planning and analysing health researches. Integrate pathology and laboratory medicine in cancer control programmes. Practice with high professionalism, with good relationship with patients, community, teaching skills and maintaining good practices Integrate clinical pathology, laboratory medicine, and medical research field. Work in the system in the context of health care Prepare fundable international research proposal. Train health professionals in the field of pathology and laboratory medicine in Tanzanian medical universities and elsewhere.
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Normal learning matrix and course matrix with its total credit and hours

Course Code	Course title	LH	TH	AS	IS	PH	CH	Credits
	Year 1 Semester 1							
MP 600	Applied Principles of Pathology	36	12	12	48	12	120	12
DM 600	Diagnostic Microbiology and Immunology	36	12	12	48	12	120	12
ER 600	Epidemiology, Biostatistics & Research Methods	36	18	16	48	12	130	13
HI 600	Histology	18	18	10	24	54	124	12.4
BP 600	Bioethics and Professionalism.	18	18	4	4	0	44	4.4
BB 600	Biosafety and Biosecurity.	18	18	4	4	0	44	4.4
Semester total		162	96	58	176	90	582	58.2
	Year 1 Semester 2							
SS 600	Systemic Pathology and Surgical Pathology I	36	54	36	60	144	330	33
GM 600	Genetics and Molecular Biology	36	36	36	18	72	198	19.8
TP 600	Basic laboratory techniques in pathology and cytology	36	36	24	36	90	222	22.2
Semester total		108	126	96	114	306	750	75
	Year 2 Semester 1							
CP 700	Chemical Pathology	18	18	36	30	18	120	12
HE 700	Hematology	18	18	48	48	54	186	18.6
RD 700	Research and Dissertation I	0	18	10	40	90	158	15.8
Semester total		36	54	94	118	162	464	46.4
	Year 2 Semester 2							
SS 700	Systemic Pathology and Surgical Pathology II	26	52	42	60	130	310	31

DT 700	Diagnostic Molecular / Immunohistochemical and Investigative Techniques	10	20	30	54	50	164	16.4
RP 701	Research and Dissertation II	0	0	10	40	90	140	14
Semester total		36	72	82	154	270	614	61.4
Year 3 Semester 1								
PT 800	Pathology of Tropical diseases.	36	36	18	24	90	204	20.4
FM 800	Forensic and medical Autopsy.	18	18	24	36	126	222	22.2
DA 800	Data Collection and Analysis	0	0	0	36	180	216	21.6
Semester total		54	54	42	96	396	642	64.2
Year 3 Semester 2								
SP 800	Senior surgical pathology practice	18	36	36	44	126	260	26
ME 800	Laboratory Management & Entrepreneurship	18	18	12	10	18	76	7.6
DD 800	Dissertation writing and defense	0	9	0	36	189	234	23.4
Semester total		36	63	48	90	333	570	57
Grand Total		432	465	420	748	1557	3622	362.2

KEY

LH: Lecture Hours	IS: Independent studies
TH: Tutorial Hours	CH: Contact Hours
PH: Practical or Field work hours	CU: Credit Unit
AS: Assignment Hours	
10 Notional Hours= 1 Credit	

M.Med Dissertations

Procedures and examination of the Dissertation is as stipulated in the CUHAS guidelines for Higher degree

MASTER OF PUBLIC HEALTH (MPH)



BACKGROUND

Looking at the present needs in the country both at central level and at the private sector demands for public health specialists, prompted CUHAS to start a Master of Public Health Programme (MPH). This initiative was triggered by the National Health Policy through the Health Sector Reform. The Reform demands having highly qualified public health manpower to man and run District and Regional health services. These demands are not only in the governing institutions but also the NGO's and community health programmes and projects; all of these are expressing need to have well trained manpower in the health sector.

As a result of the above demands, CUHAS started a one-year general MPH programme. This programme will be conducted in three (3) semesters.

MASTER OF PUBLIC HEALTH

BACKGROUND

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As a result of the above demands, CUHAS started a one-year general MPH programme. This programme will be conducted in three (3) semesters.

GOALS OF THE PROGRAMME

Is to provide and develop knowledge and skills necessary in promoting public health with a focus on Public Health in developing countries. The programme is suitable for District, regional, and health managers at different levels, it will also serve for Health Managers working with NGOs, training institutions and those managing Health programmes and Health projects in developing countries.

OBJECTIVES

Broad Objectives

1. At the end of the course the candidates are expected to be conversant with the acquired skills and knowledge and be able to deliver the same material as needed in Health Service Delivery.
2. Develop health Programmes and Projects, which aim at promoting and improving public health.
3. The candidates shall be able to control epidemic in their area of work and when asked to do so.
4. Be able to train in the area of Public Health all those who need specialization.

Specific Objectives:

In order to achieve the above objectives the candidate should be able to:

- I. Apply epidemiological and statistical skills in analysing and planning health needs for the community.
- II. Evaluate different health strategies and interventions used in the control of diseases.
- III. Describe and analyse health services and organizational structures for an effective health management system
- IV. Manage or participate in environmental health control programs and Disaster management
- V. Train health staff at different levels ie medical and paramedical schools
- VI. Develop cost effective health intervention programs
- VII. Develop research proposal and Projects which focus on specific Health problems

VIII. Design appropriate methodology in the control of communicable diseases and epidemics.

Programme expected learning outcomes

Knowledge	<p>The candidate should have adequate knowledge in integrating different disciplines learnt in MPH in addressing the core functions of public health at different levels. More specific knowledge is expected in;</p> <ol style="list-style-type: none"> Application of epidemiological and statistical skills in analysing and planning health needs for the community. Evaluation of different health strategies and interventions used in the control of diseases. Describing and analysing health services and organizational structures for an effective health management system. Managing and/or participating in environmental health control programs and disaster management. Developing cost effective methods for screening and surveillance for health outcomes related to Public Health Issues. Developing research proposal and projects which focus on specific Health problems. Designing appropriate methodology in the control of communicable diseases and epidemics.
Skills	<p>Graduates of the MPH at CUHAS are expected to have skills to be able,</p> <ol style="list-style-type: none"> <i>To assess the health needs of the community.</i> To systematically collect, assemble, and make available information on the public health status of the community, in cooperation with others, including statistics on health status, community health needs, environmental health, epidemiologic, and other studies of health problems. <i>To investigate the occurrence of health effects and health hazards in the community.</i> To systematically develop in collaboration with others in the community, more detailed information on the magnitude of a health problem, duration, trends, location, population at risk, and how best to proceed to prevent or control the problem. <i>To analyze the determinants of identified health needs.</i> This is the process of examining etiologic, risk, and contributing factors that precede and contribute to specific health problems or reduced health status in the community. Identifying these factors helps in working with the community in planning intervention efforts for prevention or control. <i>To advocate for public health, build constituencies, and identify resources in the community.</i> This is the process of generating support among constituent groups that address community health needs and issues, establishing collaborative relationships between a public health agency and the public it serves, the government body it represents, and other health and human-related organizations in the community. <i>To prioritize among health needs.</i> To facilitate a community process to rank health needs according to their importance, the magnitude, the seriousness of the consequences, economic impact and community readiness or the ability to prevent or control the problem.

	<p>f) <i>To plan and develop policies to address priority health needs.</i> This is the process by which agencies, working with community constituents and other groups, facilitate the formulated goals and objectives to meet the priority health needs of the community, identify a course of action to achieve the goals and objectives in a way that fosters community involvement and ownership, and is responsive to local needs.</p> <p>g) <i>To manage resources and develop organizational structure.</i> To acquire, allocate influence, resources (people, facilities, and equipment) and to encourage or enable them to meet priority community health needs in the best way possible.</p> <p>h) <i>To implement public health programs. Work with other organizations, agencies and individuals to assure the implementation of programs in the community that fit community priorities. Work with the community to change community policy, practice or mores.</i></p> <p>i) <i>To evaluate health programs and provide quality assurance.</i> This is a process of continuous inquiry to determine the efficiency and effectiveness of efforts so that corrections can be made to improve activities and outcomes.</p> <p>j) <i>To inform and educate the public on health issues of public health importance.</i> This is the process of informing the community about health problems, the availability of services; gaining the attention of individuals, high-risk groups, and constituents concerning public health issues; and providing health education to help develop beliefs, attitudes, and skills conducive to good individual and community health.</p>
Competences	<p>The candidate should be able to demonstrate and prove their competencies;</p> <p>a) In responding to different public health needs at various organization levels.</p> <p>b) In analyzing the determinants of health and diseases.</p> <p>c) In transforming evidence-based data into planning of health services and programs.</p> <p>d) In effective communication and negotiation skills on public health issues.</p>

Course Descriptions per year
(Semester 1 Year 1)

Course Code	Course Title	LH	T/SH	AS	IS	PH	Total Hrs	Credits
MPH 601	Demography, Biostatistics and Determinants of Diseases	80	20	20	80	50	250	25
MPH 602	Review of Communicable and Non Communicable Diseases and Nutrition	80	10	20	70	30	210	21
MPH 603	Environmental & Occupational Health and Disaster Preparedness	60	20	20	80	90	270	27
MPH 604	Reproductive Health and Foundation of Public Health	50	18	20	50	22	160	16
Total		270	68	80	280	192	890	89

(Semester 2 Year 1)

Course Code	Course Title	LH	T/SH	AS	IS	PH	Total Hrs	Credits
MPH605	Health Planning and Management	55	30	25	50	50	210	21
MPH606	Health System Delivery and Health Management Systems	45	20	20	35	20	140	14
MPH607	International and Global Health, and Family Health	40	35	30	30	35	170	17
MPH608	Research Methodology and Project Design	55	20	22	63	150	310	31
MPH609	Health Promotion and Health Ethics	36	20	15	20	29	120	12
MPH610	Dissertation Work	-	20	-	60	150	230	23
Total		231	145	112	258	434	1180	118

KEY:

<p>LH: Lecture Hours T/SH: Tutorial/ Seminar Hours PH: Practical or Field work hours AS: Assignment Hours IS: Independent studies 10 Notional Hours= 1 CREDIT</p>
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MASTER OF SCIENCE IN PAEDIATRIC NURSING (MSc. PN)



BACKGROUND

Master degree in Paediatric Nursing (MSc.PN) offers full time training with one exit level at the end of the program. The main goals of the program is to conduct a course of professionals and scholars concerned with caring of neonates, infants and children who will be responsive to the dynamic and rapidly changing world known to affect children's development

MASTER OF SCIENCE IN PAEDIATRIC NURSING

BACKGROUND

Master degree in Paediatric Nursing (MSc.PN) offers full time training with one exit level at the end of the program. The main goals of the program is to conduct a course of professionals and scholars concerned with caring of neonates, infants and children who will be responsive to the dynamic and rapidly changing world known to affect children's development. Its' learners are expected have necessary knowledge skills and competencies which enable them to become analytical advisors, scholars and effective managers and leaders in their field of paediatric nursing.

Expected Learning Outcomes

At the end of the program the MSc.PN graduate will have: -

Knowledge	<p>To be able to:</p> <ol style="list-style-type: none"> Analyze critically theories, concepts and principles of human growth and development in the provision of paediatric nursing care to children. Integrate effectively basic sciences knowledge and understanding in the care of children with diverse health conditions including those with special needs Appraise theories and principles of nursing during provision of care to children with medical, surgical conditions; both in acute, chronic and during emergency situations. Apply theories and models of community paediatric nursing promotion activities for children in healthcare and community settings Adapt appropriate evidences in paediatric nursing profession for provision of quality services to neonates infants and children Analyze major global health issues, policies and structures that affect children's health and health care Apply ethical knowledge and understanding when interacting with children and families from diverse social, economic and cultural backgrounds.
Skills	<p>To be able to</p> <ol style="list-style-type: none"> Design paediatric nursing care plan models appropriate for nursing of neonates, infants and children with diverse health conditions and situations Manage effectively implementation of care to neonates infants and children with medical, surgical conditions; both in acute, chronic and during emergency situations including children with special needs. Coordinate paediatric nursing care activities using available resources in different work settings

	<ul style="list-style-type: none"> iv. Apply scientific principles in designing, conducting, disseminate findings on research related to children's health v. Use evidence based paediatric nursing practice to solve neonatal, infants and children's health problems vi. Utilize appropriate measurement tools to measure growth and development of neonates, infants and children vii. Teach colleagues, junior staff, parents and families on issues pertaining to children's' health promotion and disease prevention viii. Demonstrate morality and high ethical standards during provision services to children and families from different social, economic and cultural backgrounds
Competencies	<p>To be able to:</p> <ul style="list-style-type: none"> i. Appraise health research for policy advise in provision of quality paediatric nursing care ii. Present research findings in scientific conferences, policy makers' meetings and in other professional peers 'audiences. iii. Demonstrate creativity and independency when dealing with care of complex paediatric nursing issues, conditions and situations arising in her /his mandate. iv. Adapt nursing, medical and research ethical principles in dealing with legal and practical problems facing nursing professionals and the healthcare system v. Comply with compassionate care principles to the sick and well neonates, infants, children and families from diverse backgrounds vi. Set quality assurance standards in her /his area of work in line with the existing systems vii. Demonstrate sensitivity of others' views and opinions in issues related to the pediatric nursing profession

Minimum credits for the program is 190 to be delivered in two years

PURPOSE OF THE PROGRAMME

The MSc.PN program purpose is to

- i. Develop a specialized professional nurses in the field of pediatric nursing for improved participation and operationalization of health policy
- ii. Promote pediatric nursing knowledge skills and competencies among learners for future employers' and community satisfaction.
- iii. Entice self-realization, team work, problem solving, analytical and decision making skills that enable graduates to perform efficiently and aspire for lifelong learning
- iv. Promote moral, legal and high ethical conduct among pediatric nursing professionals.

ORGANISATION OF THE PROGRAMME

The MSc.PN degree programme offered at CUHAS will be by course work and dissertation. The programme will be for two years, divided into three semesters of 60/70 credits each. The course work consists of 16 courses/modules as indicated in the structure of the program below

STRUCTURE OF THE PROGRAMME

SEMESTER 1

Course Code	Course Title	Theory		Practical		Total	
		Hrs	Credits	Hrs	Units	Hrs	Credits
BC 600	Principles of Biochemistry	40	4	40	4	80	8
CP 600	Clinical Pharmacology	40	4	40	4	80	8
GD 600	Essentials of growth and development	70	7	50	5	120	12
EP 600	Ethics , Principles and Practices of pediatric nursing	50	5	70	7	120	12
NM 600	Nutrition and Malnutrition	50	5	50	5	100	12
EB 600	Epidemiology and Biostatistics	60	6	40	4	100	10
PH 600	Clinical Physiology	85	8.5	-	-	85	8.5
Total						700	70

SEMESTER 2

Course code	Course title	Theory		Practical		Total	
		Hrs	Credits	Hrs	Credits	Hrs	Credits
PE 600	Paediatric Emergencies	90	9	80	8	170	17
PS 600	Nursing in Paediatric	60	6	100	10	160	16
NP600	Neuropsychiatry and Clinical Psychology	70	70	40	4	110	11
NN600	Nursing in Neonatology	70	7	90	9	160	16
Total						600	60

SEMESTER 3

Course Code	Course Title	Theory		Practical		Total	
		Hrs	Credits	Hrs	Units	Hrs	Credits
PD600	Nursing in Pediatric hematology and Oncology	40	4	40	4	80	8
MI 600	Microbiology and Infections in Children	60	6	40	4	100	10
PD600	Specific Pediatric Conditions and Diseases	35	3.5	40	4	75	7.5
PR600	Chronic Diseases and pediatric rehabilitation	45	4.5	40	4	85	8.5
RD600	Research Design	70	7	140	14	210	12
Total						700	70

DISSERTATION

Students shall prepare a dissertation on a subject of paediatric nursing related topics. The dissertation shall be in form of research project.

NOTE:

After semester 3 –Students will be given an opportunity to complete their field work research projects write up and submission of their dissertations before graduation.

A maximum of two months will be allowed before submission of their MSc.PN degree dissertations and defence.

M.Sc PN Dissertations

Procedures and examination of the Dissertation is as stipulated in the CUHAS guidelines for Higher degree

MASTER OF SCIENCE IN CLINICAL MICROBIOLOGY AND DIAGNOSTIC MOLECULAR BIOLOGY (MSc. CMDMB)



Introduction

The M.Sc. CMDMB degree is a new programme aimed at producing competent and skilled graduates of international standard through clinical and laboratory apprenticeship. Graduates from this programme are expected to work in public and private hospitals, research institutions, industrial/pharmaceutical sectors and in other organizations.

MASTER OF SCIENCE IN CLINICAL MICROBIOLOGY AND DIAGNOSTIC MOLECULAR BIOLOGY

Objectives of the programme:

- To produce graduates capable of performing clinical microbiology and diagnostic molecular biology in health diagnostics, medical research fields and industrial/pharmaceutical laboratories.
- To produce skilled graduates capable of developing, evaluating and executing standard operating procedures (SOPs)/guidelines for quality control and assurance (QC & QA) in medical, research, academic and industrial/pharmaceutical laboratories.
- To produce competent graduate who can conduct high quality research that can translate into policy.
- To produce graduates with sound knowledge in entrepreneurship in medical diagnostics.
- To produce skilled laboratory professionals vested with moral and ethical values.

Program expected learning outcomes

Knowledge	<ul style="list-style-type: none">• Discuss Medical Laboratory Sciences• Review epidemiological and biostatistical principles in relation to Medical laboratory sciences• Describe entrepreneurship in relation to Medical Laboratory Sciences
Skills	<ul style="list-style-type: none">• Evaluate the impact of the existing national diagnostics guidelines in clinical microbiology and molecular biology and precisely advice on improving them.• Develop, execute and analyse standard operating procedures (SOPs) for quality control and assurance (QC&QA) in medical, research, academic and industrial laboratories.
Attitudes	<ul style="list-style-type: none">• Practise laboratory medicine with the highest level of professional ethical and moral values
Competences	<ul style="list-style-type: none">• Plan and manage health, industrial and medical research laboratories.• Perform and interpret results of relevant laboratory diagnostic tests.• Integrate epidemiological and statistical skills in planning and analysing health researches.• Practice with high professionalism , with good relationship with patients, community, teaching skills and maintaining good practices• Integrate clinical microbiology in health diagnostics, industrial laboratories and medical research field.• Work in the system in the context of health care• Prepare fundable international proposal.• Train health professionals in the field of clinical microbiology and diagnostic molecular biology in Tanzanian medical universities and elsewhere.

Normal learning Matrix

All courses in this program are core

Course Code	Course title	LH	TH	AH	IS	PH	H	CREDITS
Semester I								
CB 601	Cell Biology and Molecular biology	72	36	10	10	54	182	18.2
IM 602	Immunology	36	36	5	5	18	100	10.0
BM 603	Basic Microbiology	72	36	8	8	72	196	19.6
ER 604	Epidemiology, Research Methodology and Biostatistics	36	18	9	9	18	90	9
BB 605	Biosafety and Biosecurity	18	-	2	2	-	22	2.2
BB 606	Bioethics	36	-	2	2	-	40	4.0
Total		270	126	36	36	162	630	63.0
Semester II								
DM 607	Diagnostic Molecular Biology	54	54	18	18	90	234	23.4
AP 608	Applied Microbiology	54	54	18	18	90	234	23.4
BI 609	Bioinformatics	18	18	9	9	18	72	7.2
ME 610	Laboratory management & Entrepreneurship	36	18	9	9	18	90	9.0
Total		162	144	54	54	216	630	63.0
Semester III								
LR 611	Laboratory apprenticeship and Research proposal write-up	18	36	18	36	522	630	63.0
Semester IV								
DT 612	Dissertation and Scientific report writing	18	36	18	36	522	630	63.0
Total							2520	252.0

KEY:

LH:	Lecture Hours
TH:	Tutorial Hours
PH:	Practical or Field work hours
AS:	Assignment
IS:	Independent studies
H:	Hours
10	Notional Hours= 1 Credit

DOCTOR OF PHILOSOPHY (PhD)



INTRODUCTION

The Catholic University of Health and Allied Sciences at Bugando will offer postgraduate programme leading to the award of Doctor of Philosophy (PhD) in all major fields of specialization in Health. The PhD degree is offered by thesis both in the Monograph format and by Publications.



DOCTOR OF PHILOSOPHY (PhD) PROGRAMMES

GUIDELINES

INTRODUCTION

The Catholic University of Health and Allied Sciences at Bugando will offer postgraduate programme leading to the award of Doctor of Philosophy (PhD) in all major fields of specialization in Health. The PhD degree is offered by thesis both in the Monograph format and by Publications.

The department will submit at least 2 names of suitably qualified individuals to act as supervisors for the candidate based on the CUHAS supervision guidelines. The names will have to be approved by the School Board, the Higher Degrees Committee and the Senate.

ENTRY QUALIFICATIONS

The prospective candidate must demonstrate the capacity to carry out research independently and ability to pursue the proposed study programme.

A candidate seeking for admission for a PhD must be a holder of a relevant Master Degree (MSc, or MMed) of the Catholic University of Health and Allied Sciences (CUHAS) or any other recognized institution of higher learning within or outside Tanzania. A holder of MD or BVM can register for a PhD programme; in this case, the duration of the training and content of the courses to be covered will be determined by the Higher Degree Committee based on the topic/area of specialization. .

PROGRAMME STRUCTURE

1. The PhD degree will involve a three years full time research work at the end of which a thesis should be submitted or five years for a part time registered candidate.
2. Registration for the programme shall be at any time during the academic year. The applicant will be required to fill in the relevant application forms (including certified copy of undergraduate Degree, Master Degree with relevant transcripts where appropriate, recent CV, and a five-page statement of the intended research topic) to the Director of Postgraduate Studies
3. The Director of Postgraduate Studies (through the respective applicant's Department and/or School Board) will assess the PhD candidate in five thematic areas (Applicant's qualifications including working experience in the subject matter, relevancy of the proposed PhD concept, suitability of the proposed supervisors, availability of funding and any other parameter) prior to submitting all necessary documents to the Higher Degree Committee for vetting, and subsequently to the Senate for approval.
4. Upon approval by the Senate, the candidate will be given a provisional registration which will last for one year, during which a candidate will prepare and present a comprehensive proposal on the area of interest through his/her respective department, PhD seminar forum and ultimately to the CUHAS/BMC Research and Ethics Committee (CREC) for approval.,
5. The proposal should not exceed 25 pages in length (excluding the preamble pages, and appendices), typing in at least 12-point font and double spaced. The proposal must have at least the following

- i. Title; clearly spells out the research questions to be answered
- ii. Name of the author
- iii. Names of the supervisors
- iv. Abstract
- v. Background information of the research problems
- vi. The justification of the study, why the study is important and why it should be done
- vii. Materials and methodology.
- viii. How the results would be analyzed.
- ix. The ethical considerations must be discussed thoroughly.
- x. References

This proposal must be approved by the relevant Department, , the Higher Degrees Committee and the CREC. .

Supervisors

The department will submit at least 2 names of suitably qualified individuals to act as supervisors for the candidate based on the CUHAS supervision guidelines. The names will have to be approved by the School Board, the Higher Degrees Committee and the Senate.

SANDWICH PROGRAMME

CUHAS will also offer a PhD on a sandwich mode. This will mainly be in areas where facilities and research infrastructure is deemed inadequate. It is expected that most of data collection will be done in Tanzania. Literature Survey, analysis of results could be done at the collaborating institution. The following guidelines will be adhered to:

- a. Entry requirements are the same as stipulated above.
- b. The procedure for obtaining full registration will be similar to those stipulated above
- c. The degree award shall be either of the Catholic University of Health and Allied Sciences or partner institution or both (i.e. CUHAS and the partner institution) The manner into which the degree will be awarded will be determined by the memorandum of understanding between the two institutions.

THE STRUCTURE OF THE PhD THESIS

Monograph

The PhD thesis at CUHAS should be written on size A4 paper using clearly readable fonts with double line spacing. There should be a 1" margins on top and bottom. There should be 1½" margin spacing on the left margins (to give space for binding) and 1" space on the right margin.

Generally a well-organized thesis should have the following structure:

<p>i) <i>Title page</i> which should include</p> <ul style="list-style-type: none"> • Title of the study (including subtitle) • Author • Thesis submitted in partial fulfillment for the award of Doctor of Philosophy (PhD) degree of the Catholic University of Health and Allied Sciences. • Date of submission (Month, Year) <p>ii) <i>Declaration page</i> By the author and supervisors that the work presented is original and has not been presented for any other degree in any university.</p> <p>iii) <i>Dedication and acknowledgements</i></p> <p>iv) <i>Abstract</i></p> <p>v) <i>Table of contents</i></p>	<p>vi) <i>List of Figures</i></p> <p>vii) <i>List of Tables</i></p> <p>viii) <i>Introduction</i></p> <p>ix) <i>Literature review</i></p> <p>x) <i>Materials and Methods</i></p> <p>xi) <i>Results</i></p> <p>xii) <i>Discussions</i></p> <p>xiii) <i>Conclusions</i></p> <p>xiv) <i>Recommendations</i></p> <p>xv) <i>References</i></p> <p>xvi) <i>Appendices</i></p>
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Thesis by Publication

1. The general specifications on the standard of writing and layout of the PhD thesis by publication at CUHAS should be similar to those laid down in 5.1.
2. A PhD thesis should consist of published materials
 - Papers in peer-reviewed journals with at least impact factor of 1.
 - Peer –reviewed book chapters.
3. At CUHAS about 4 papers should be enough, provided that the scientific material is enough and comparable to that required in a conventional PhD Thesis. One of the four papers might include review paper or methodology paper on the PhD topic. The published materials must be prepared after admission to the PhD programme, or they should not have been published more than 2 years before registration.
4. It is expected that the candidate will have played a leading role in the design, carrying out the research work, analysis of data and writing of the papers. Coauthored papers should be accompanied by signed declaration by all the authors of the contribution by the candidate (especially if the candidate is not the first or senior author).
5. The papers should have been published, or accepted for publication or in print at the time of submission of the PhD thesis.
6. The published material must have not been used for an award of another degree.
7. The body of the thesis should comprise of the following sections:
 - a) **A title page**
 - Title of the study (including subtitle)
 - Author

- Thesis submitted in partial fulfillment for the award of Doctor of Philosophy (PhD) degree of the Catholic University of Health and Allied Sciences.
 - Date of submission
 - b) Declaration page; by the author and supervisors that the work presented is original and has not been presented for any other degree in any university.
 - c) An abstract of the entire thesis work (including the submitted papers)
 - d) Table of contents, list of figures and tables
 - e) Acknowledgements
 - f) An introduction which highlights the aims and objectives and the significance of the research work done
 - g) Literature review
 - h) A chapter or section where the candidate will integrate the work done in the submitted papers so that there is a common theme in the thesis.
 - i) Linking section between each publication to introduce the aims and hypothesis of each publication.
 - j) Discussions and conclusion.
 - k) References.
8. The binding of the thesis, submission, assessment by the examiners and defense of the thesis to be done as for the conventional thesis.

Submission of the Thesis

When the candidate and supervisors are satisfied by the progress of the thesis and are ready to submit the thesis for evaluation; the candidate must notify the School and the Directorate of Postgraduate Studies of the intention to submit the thesis for evaluation at least 2 months before.

- This will give time for the School and the Directorate to nominate examiners (Internal and External)
- The supervisors will have to declare and sign that they are satisfied with the standard of the thesis to be submitted for assessment and evaluation by the examiners
- The candidate will then submit the thesis in partial fulfillment of the requirement for the degree of Doctor of Philosophy (PhD) of the Catholic University of Health and Allied Sciences.
- Candidates must submit 6 loosely bound copies of the thesis at least three months before appearing for the defense

The thesis will be examined by both external and Internal examiners who will critically assess the thesis and submit Part I of the "*Dissertation and Thesis Scoring and Grading Guidelines*" form (i.e. Examiners Summary Assessment of Postgraduate Dissertation/Thesis).

- If the external examiners are satisfied by the standard of the thesis, the candidate will have to appear for the oral defense (viva voce) at a panel of examiners as recommended by the

Director of Postgraduate Studies through the respective School Boards and the Higher Degree Committee

Viva voce Panel

The viva voce panel which must be approved by the Senate or Chairman of the Senate on its behalf will consist of :

- The Chairman recommended by the Dean of Relevant School and approved by the Director of Postgraduate Studies.
 - The Chairperson of the viva voce panel shall be a senior academician preferably a person who has already attained the level of a professor
- The external examiner(s)
- The 2 internal examiners
- Two members with at least PhD or the rank of associate Professor appointed by the Dean
- Two members with at least PhD or the rank of associate Professor expert in the field of specialization appointed by the HoD
- Any other co-opted members appointed by the Director of Postgraduate studies

The **viva voce** examination process will include

- Presentation by the candidate about his/her works. This could be a power point presentation. It should be brief and cover the main areas of the work (***introduction, justification for the study, main objectives, materials and methodology, main findings and any new contribution to scientific knowledge, discussions, conclusions and suggestions for future studies***)
- This will be followed by questions from the members of the panel to ascertain the competency of the candidate in the research work presented and the area of specialization
- The function of the viva voce examination shall be to make a definite recommendation to the relevant academic unit handling postgraduate studies and Senate whether the candidate has passed or failed after having ascertained:
 - that the thesis presented, the data, methodology, analysis and findings is the original work of the candidate
 - that the candidate fully grasps the broader subject area in which the study is based;
- and any weakness in the thesis that can be adequately clarified or addressed by the candidate. Assessment of the viva voce will be governed by Part IIA of the "*Dissertation and Thesis Scoring and Grading Guidelines*" form (i.e. Examiners Summary Assessment of Dissertation/Thesis viva voce). Final disposition of the candidate will be governed by the "*Dissertation and Thesis Scoring and Grading Guidelines*" form (Part IIB).
- Any corrections of the thesis have to be done and submission of error free dissertation done before a candidate will be awarded degree.

INSTITUTE OF ALLIED HEALTH SCIENCES (IAHS)



Director, Mr. Gratian Tibaijuka,

B. Pharmacy (UDSM), MSc. Pharm (Zaporozhye Medical Inst., Ukraine)

The Institute of Allied Health Sciences (IAHS) is the centre in which the University offers Diploma Programmes in Allied Health Sciences. Currently, we run three Diploma Programmes specifically Diploma in Medical Laboratory Sciences, Diploma in Diagnostic Radiography and Diploma in Pharmaceutical Sciences. All three programmes are highly competitive and offer good employment prospects to our graduates.

Vision of the Institute:

To become an institute of excellence in competence and diligence in training and skill provision, relevant to the community.

Mission of the Institute:

- To deliver and impart knowledge, skills and understanding responsive to the health sector at large.
- To provide high quality technical skilled services to the community.

DIPLOMA PROGRAMMES



SUMMARY OF THE CURRICULUM FOR DIPLOMA PROGRAMMES

DPS CURRICULUM SEMESTER MODULES

Code	Subject	Theory		Practical		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
Semester 1							
PT107-108	Pharmaceutics Theory - I	75	6.0	-	-	75	5.0
PT100-101	Hygiene	75	5.0	-	-	75	5.0
PT102-104	Inorganic Chemistry	97.5	6.5	--	-	97.5	6.5
PT105-106	Pharmaceutical Calculation - I	90	6.0	-	-	90	6.0
	Total	337.5	22.5	-	-	337.5	22.5
Semester 2							
PT109-110	Anatomy & Physiology	120	8.0	-	-	120	8.0
PT111-112	Pharmaceutics Microbiology	90	6.0	-	-	90	6.0
PT113-114	Pharmaceutical Calculation –II	45	3.0	-	-	45	3.0
PT115-116	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							
PT200-201	Pharmaceutical Organic Chemistry	105	7.0	-	-	105	7.0
PT202-203	Drugs & Medical Supplies Management	60	4.0	-	-	60	4.0
PT204-205	Pharmacology I	60	4.0	-	-	60	4.0
PT206-208	Pharmaceutical Calculation(III)	105	7.0	-	-	105	7.0
PT209-210	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							
PT211-213	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
PT217-218	Pharmacology (II)	60	4.0	-	-	60	4.0
PT219-220	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
PT301-302	Pharmacology IIII	30	2.0	-	-	30	2.0
PT305-304	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
Semester 6							
PT 314	Community Pharmacy	30	2.0	-	-	30	2.0
PT305-308	Pharmacology	90	6.0	-	-	90	6.0
PT309-310	Pharmaceutics Theory VI	90	6.0	-	-	90	6.0
PT311-313	Drugs & Medical Supplies Management III	105	7.5	-	-	105	7.5
PT315-316	Forensic Pharmacy III	75	5	-	-	75	5.0
PP 302	Pharmaceutics Practical V	-	-	67.5	1.5	67.5	1.5
	Total	390	26.6	67.5	1.5	457.5	28.0

DDR CURRICULLUM (SEMESTER MODULES)

Summary of the subjects and their code numbers

CODE	SUBJECT	HOURS	UNITS
Semester 1			
DR 111	Radiographic Photography and imaging (I)	75	5
DR 112	Radiographic Technique and procedures (I)	142.5	9.5
DR113	Anatomy, Physiology & Pathology (I)	90	6
DR114	Applied physics	82.5	5.5
DR 115	Care of patients	120	8
	Clinical rotations at X-Ray Department	80	2.7
Total		590	36.7
Semester 2			
DR 121	Radiographic Photography and imaging (II)	60	4
DR 122	Radiographic Technique and procedures (II)	157.5	4
DR 123	Anatomy, Physiology & Pathology (II)	37.5	2.5
DR 124	Radiation physics	60	4
DR 125	Basic ultrasound imaging (I)	90	6
DR 126	Clinical practice at X-Ray department (I)	160	5.3
Total		565	25.8
Semester 3			
DR 231	Radiographic Photography and imaging (III)	60	4
DR 232	Radiographic Technique and procedures (III)	90	6
DR 233	Equipment of diagnostic radiography	150	10
DR 234	Anatomy, Physiology & Pathology (III)	120	8
DR 235	Radiobiology and radiation protection	30	2
DR 236	Clinical practice at X-Ray department (II)	160	5.3
Total		610	35.3
Semester 4			
DR 241	Radiographic technique and procedure (IV)	135	9
DR 242	Anatomy, Physiology and Pathology (IV)	120	8
DR 243	Radiological pathology (I)	105	7
DR 244	Basic Ultrasound imaging (II)	45	3
DR 245	Clinical practice at X-Ray department (III)	160	5.3
Total		565	32.3
Semester 5			
DR 351	Radiographic technique and procedure (V)	127.5	8.5
DR 352	Radiological pathology (II)	105	7
DR 353	Basic Ultrasound imaging (III)	45	3
DR 354	Management and Administration	67.5	4.5
DR 355	Quality Assurance	60	4
DR356	Clinical practice at X-Ray department (IV)	160	5.3
Total		565	32.3
Semester 6			
DR 361	Field work	480	16
DR 362	Equipment for diagnostic radiography (II)	90	6
DR 363	Clinical practice (V)	30	1
Total		600	23

DMLS CURRICULLUM (SEMESTER MODULES)

Summary of the subjects and their code numbers

Code	Course name	Lectures		Practicals		Total	
		Hrs	Units	Hrs	Units	Hrs	Units
Semester 1							
LS 100-102	Anatomy	108	7.2	-	-	108	7.2
LS 105-108	Biochemistry (I)	96	6.4	-	-	96	6.4
LS 116-117	Basic Sciences	74	4.9	-	-	74	4.9
LS 118-120	Communication skills	54	3.6	-	-	54	3.6
LS 121-122	Introduction to Information Technology	12	0.8	36	0.8	48	1.6
Total		344	22.9	36	0.8	380	23.7
Semester 2							
LS 103-104	Human Physiology	114	7.6	-	-	114	7.6
LS 109-112	Biochemistry (II)	96	6.4	-	-	96	6.4
LS 113-115	Molecular biology	80	5.3	-	-	80	5.3
LS 123-127	Introduction to Health Laboratory Sciences	67	4.4	-	-	67	4.4
Total		357	23.7	-	0.2	357	23.7
Semester 3							
LS 200-202	Blood Transfusion I	34	2.3	32	0.7	66	3.0
LS 206-209	Clinical Chemistry I	72	4.8	10	0.2	82	5.0
LS 214-217	Haematology I	56	3.7	28	0.6	82	4.3
LS 221-224	Health System Research	32	2.1	0	0	32	2.1
LS 225-227	Histopathology/Morbid Anatomy I	58	3.9	14	0.3	72	4.2
LS 230-234	Microbiology/Immunology I	67	4.4	24	0.5	91	4.9
LS 239-241	Parasitology I	56	3.7	18	0.4	74	4.1
LP 244	Practical I	0	0	126	2.8	126	2.8
Total		375	24.9	252	5.5	625	30.4
Semester 4							
LS 203-205	Blood Transfusion II	49	3.2	14	0.3	63	3.5
LS 210-213	Clinical Chemistry II	45	3.0	15	0.3	60	3.3
LS 218-220	Haematology II	45	3	45	1.0	90	4.0
LS 228-229	Histopathology/Morbid Anatomy II	42	2.8	18	0.4	60	3.2
LS 235-238	Microbiology II	56	3.7	15	0.3	71	4.0
LS 242-243	Parasitology II	60	4.0	18	0.4	78	4.4
LP 245	Practical II	0	0	125	2.8	125	2.8
Total		297	19.7	250	5.5	547	25.2
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 310-312	Health Lab. Management	68	4.5	0	0	68	4.5
LS 313-314	Histopathology/Morbid Anatomy III	56	3.7	14	0.3	70	4.0
LS 317-320	Medical Entomology	69	4.6	24	0.5	93	5.1
LS 321-322	Microbiology III	54	3.6	10	0.2	64	3.8
LP 325	Practicals III	0	0	81	1.8	81	1.8
LP 332	Field Practice	0	0	320	7.1	320	7.1
Total		371	24.6	482	10.6	853	35.2
Semester 6							
LS 303-305	Clinical Chemistry IV	74	5.0	14	0.3	88	5.3
LS 308-309	Haematology IV	54	3.6	19	0.4	73	4.0
LS 315-316	Histopathology/Morbid Anatomy IV	70	4.7	19	0.4	89	5.1
LS 323-324	Microbiology IV	43	2.8	10	0.2	53	3.0
LP 326	Practical IV	0	0	62	1.4	62	1.4
Total		241	16	124	2.7	365	18.8

OCCASIONAL STUDENTS/ELECTIVE STUDENTS

1. An occasional/elective student is one the duration of whose studentship is less than one academic year. Occasional/elective students should normally stay for less than one semester.
2. The entrance qualifications are the same as for admission to Undergraduate degree course or equivalent.
3.
 - a) The applications must be submitted through the applicant's Institute which should, if it supports the application, send a letter of recommendation to this University.
 - c) Applications for occasional studentship at the Catholic University of Health and Allied Sciences (CUHAS- Bugando) should reach the Vice Chancellor at least six months before the date or month for which the applicant seeks admission.

All correspondence should be addressed to:

The Deputy Vice Chancellor (ARC)

Catholic University of Health and Allied Sciences,

P.O. Box 1464

Mwanza.

FAX: 255-28-2502678

Email: vc@bugando.ac.tz

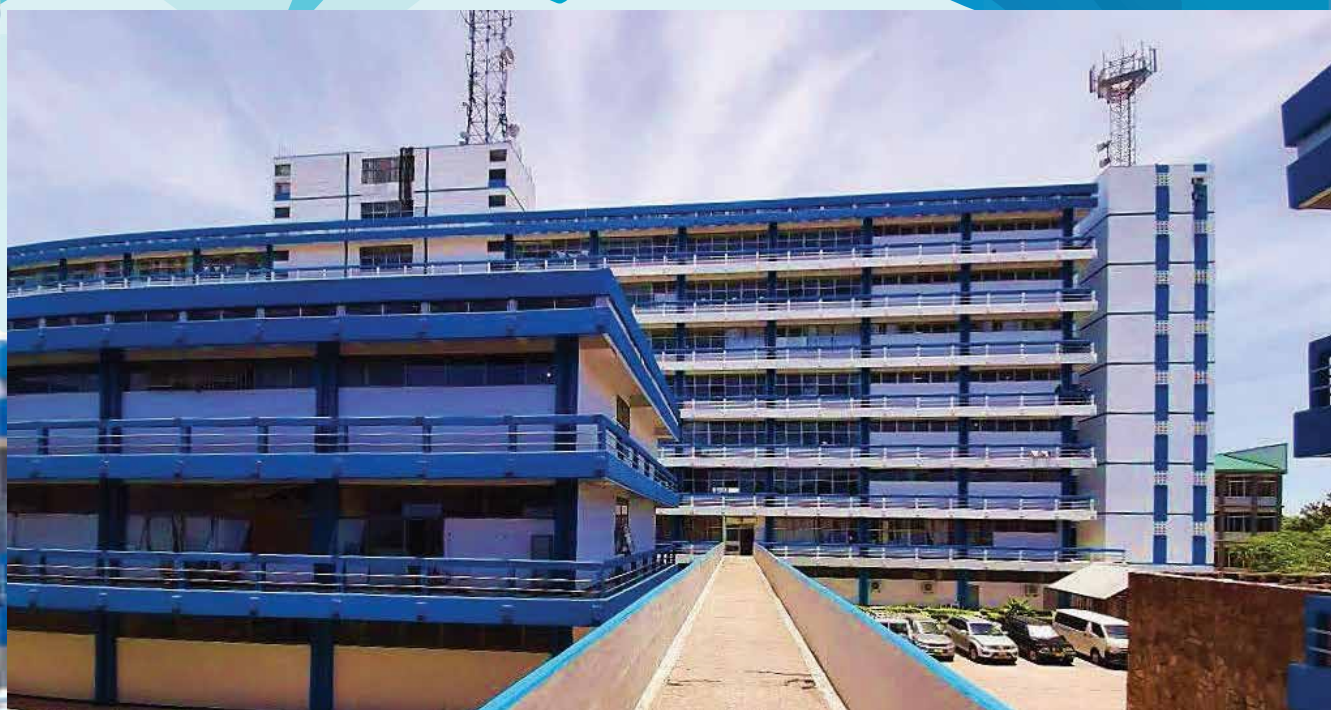
Website: <http://www.Bugando.ac.tz>

4. Non-Tanzanian students are expected to conform to all immigration formalities in force in their countries before they depart for Tanzania. They must also obtain Resident Permit from the nearest Tanzanian Embassy or High Commission before they arrive.
5. Admission is on a semester basis to any year of study.
6. Occasional students will neither sit for exams nor get transcripts or grades except in special circumstances or where regulations allow a special programme could be set up which is recognized by the University.
7. An occasional student will be discontinued on the following grounds: -any serious breach of University regulations, abscondment, or irregular attendance.
8. Occasional students will pay fees like all other students.
9. Non-Tanzanian students will pay fees in foreign currency (US\$) or its equivalent in other acceptable currencies.



STUDENTS' PRIZES

1. *The Vice Chancellor's Prize:*
For the Academically overall best student in each year of study for all programmes
2. *The CUHAS COUNCIL CHAIRMAN'S Prize:*
For the Best all-round student in each year of the degree programmes
3. *The Thomas L. Smith Prize:*
For the best male student in each year's MD course university Examinations
4. *The Kimiko Ryan Prize:*
For the best female student in each year's MD course university Examinations
5. *Twenty Eleven Team Tanzania Scholars Award:*
For the academically overall best student in each year of study for the MD programme.
6. *The Hartfield Academic, Research and Leadership Award*
Hartfield award to the best MPH candidate who has shown academic, research and leadership excellence.



STAFF LIST

SENIOR STAFF

The Vice Chancellor

Prof. Paschalis G. Rugarabamu *DDS (UDSM); MDent (Dental Public Health) (UDSM); MBA (ESAMI)*

Deputy Vice Chancellor Academics, Research & Consultancy

Prof. Stephen E. Mshana, *MD (UDSM), MMed (Makerere), PhD (SAUT), Fell.Med. Edu. (FAIMER)*

Deputy Vice Chancellor Finance, Planning and Administration

Rev. Dr. Agapit J. Mroso, OFMCap *Licentiate in Dogmatic Theology (Gregorian- Rome), M. Spiritual Theology (Angelicum-Rome), PhD (Gregorian- Rome)*

Dean, School of Medicine

Dr. Haruna Dika , *MD (UDSM), MSc (Makerere), PhD (Calgary)*

Associate Deans, School of Medicine

Prof. Mariam Mirambo, *BVM (SUA), M.Sc.(LSHTM), PhD (CUHAS)*

Dr. Semvua B. Kilonzo *MD (Tumaini), MMed (CUHAS), PhD (HUST,China)*

Dean, School of Pharmacy

Prof. Gilbert W.M Kongola, *MD (UDSM), MSc. (Manchester), PhD (Manchester)*

Dean, Archbishop Anthony Mayala School of Nursing

Dr. Rose M. Laisser , *ADNE (MUHAS);M.Sc (Leeds Metropolitan University), PhD (University of Umea – Sweden)*

Ag. Dean, School of Public Health

Prof. Domenica Morona, *M. Sc (LSTMH); PhD.*

Director: Institute of Allied Health Sciences

Mr. Gration R. Tibaijuka, *B. Pharmacy (UDSM), MSc. Pharm (Zaporozyhye Medical Inst., Ukraine)*

Director: Postgraduate Studies

Prof. Jeremiah Seni *MD (UDSM), M.Sc.(Makerere), PhD (Calgary)*

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BA in Theology (Rome), M.A in Theology (Rome)

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B. Computer Science (Arusha)

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Cert. Comp. Studies; Dipl. IT (UCC), B.Sc (IT) (SAUT)

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A. Mihayo

Dipl. I.T (UCC)

A. Urassa

Cert I.T, Dipl. I.T (UCC)

UNIVERSITY LIBRARY

Ag. Head University Library

Y. Machimu

Dipl. LADS (Bagamoyo), B.Libr. Inf. Mgt (OUT)

Library Officer

A. Gihega

Dipl. LADS (Bagamoyo), BALIS (Tumaini Univ. Dar)

O. Joachim

Cert.Libr(Bagamoyo), B.Libr. Inf. Mgt. (OUT)

Library Assistant

S. Kishosha

Cert.Libr (Bagamoyo)

O. Bondo

Cert. Libr (Bagamoyo)

M. Method

Cert.Libr (Bagamoyo)

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MD (CUHAS), Msc (Makerere)

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M.D. (UDSM), Ph.D (Japan): Visiting

E.P. Mtui

MD (UDSM), MSc. PhD: Visiting

Associate Professor

*M. Manyama,

MD (UDSM), M.Sc(Makerere), PhD(Calgary): Visiting

Assistants Lecturer

A. Lukanima

MD (UDSM), Msc (Makerere)

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MD (HKMU), Msc (Makerere)

Tutorial Assistant

C. Kang'ombe

MD(CUHAS)

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E. Kamugisha MD (UDSM) MSc (Makerere), PhD (SAUT)

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F. A. Tarimo MD (CUHAS), M.Sc(MUHAS)

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DEPARTMENT OF INTERNAL MEDICINE

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Associate Professor

A. N. Makubi MD(UDSM), MMed (Norway), MSc. (MUHAS), PG.Dip (Austria), PhD (Sweden): Visiting

S. E. Kalluvya, MD (Sofia), MMed (Int. Med)(UDSM)

R.N Peck MD, MMed, M.Sc (USA)

Senior Lecturer

H. Jaka MD (HKMU), MMed (SAUT), MSc. Med. Edu (Maastricht), PhD (CUHAS)

Lecturer

F.M. Kalokola MD (MUHAS), MMed (Nairobi)

B. Wajanga	<i>MD (HKMU), MMed (SAUT), MSc Clin Epidemiology (Cornell, NY)</i>
N. Mang'ondi	<i>MD (MUHAS), MMed (KCMC)</i>
E.F.S. Mujuni	<i>MD (MUHAS), MMed (MUHAS), MSc (MUHAS)</i>
P. Masikini	<i>MD (SAUT), MMed (CUHAS)</i>
I. Nkandala	<i>MD (MUHAS), MMed (MUHAS), MSc (MUHAS)</i>
B.M. Desderius	<i>MD (MUHAS), MMed (MUHAS)</i>
G. G Mtui	<i>MD (MUHAS), MMed (CUHAS)</i>
S. Matuja	<i>MD (CUHAS), MMed (MUHAS)</i>

UNIT OF MEDICAL ETHICS & UNIT OF SOCIAL ETHICS

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Senior Lecturer

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Lecturer

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M. Majigo *MD (UDSM), MMed (MUHAS)*

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V. Silago *BMLS (CUHAS), M.Phil (SUA)*

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P. Damiano *B.Pharm (CUHAS)*

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Senior Lecturer

R. N. Rumanyika, MD (UDSM), MMed (Obst & Gynae) (Nbi)

Lecturer

A. Kajura MD (UDSM), MMed (Obst & Gynae)(UDSM)

E. Ndaboine MD, MMED(Obst & Gynae)(SAUT)

K.R. Forget MD (MUHAS), MMed (MUHAS)

H.I. Mbena Sr. MD (HKMU), MMed (CUHAS)

C. Chuma Sr. MD (HKMU), MMed (CUHAS)

F. Mujuni MD (SAUT), MMed (CUHAS)

E.C. Chibwe MD (SAUT), MMed (CUHAS)

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Lecturer

E. Mgya MD (MUHAS), MMed (KCMC)

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Lecturer

B.M. Likonda MD (UDSM), MMed (India)

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Lecturer and Assistant Head

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Senior Lecturer

A. Hokororo MD (Russia), MMed (Makerere), MSc.Clin-Epidemiology (WCMC –USA)

A. Zuekner	<i>MD (Germany) MMed (Pediatrics), MMD (Neonatology) : Visiting</i>
R. M. Kabyemela,	<i>MD (UDSM), MMed (SAUT)</i>

Lecturer

E. F. Manyama,	<i>MD (MUCHS), MMed (SAUT)</i>
R. C. Bakalemwa	<i>MD(MUHAS), MMed (Nairobi)</i>
F. Mashuda	<i>MD (MUHAS), MMed (CUHAS)</i>
B. Msaki	<i>MD(KCMC), MMed(CUHAS)</i>
R.A. Rwezaula	<i>MD, MMed(CUHAS)</i>
D.R. Msanga	<i>MD(KCMC), MMed (CUHAS)</i>
E. N Kwiyochea	<i>MD, MMed (CUHAS)</i>
E.E. Ambrose	<i>MD(SAUT) , MMed (CUHAS)</i>
J. N. Kabirigi	<i>MD(SAUT) , MMed (CUHAS)</i>
N. P. Chami	<i>MD(UDSM) , MMed (CUHAS), Fellowship (University of Witwatersrand)</i>

DEPARTMENT OF PARASITOLOGY/ENTOMOLOGY

Associate Professor and Head:

H. Mazigo,	<i>BVM (SUA),MSc (Med. Parasitology) (Jomo Kenyatta), MPH (CUHAS), PhD (Makerere)</i>
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Research Professor

E. Kweka	<i>MSc.(Parasitol/Entomol) (Tumaini), PhD (Tumaini); Visiting</i>
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Associate Professor

D. Morona	<i>M. Sc. (LSTMH), PhD</i>
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Lecturer

M. Zinga	<i>MD (SAUT), MSc (MUHAS), PhD (Mahidol,Thailand)</i>
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Assistant Lecturer

D. Ruganuza	<i>MD (SAUT), MSc (Jomo Kenyatta), PhD Fellow</i>
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DEPARTMENT OF PATHOLOGY

Lecturer and Head:

E. Tebuka	<i>MD (SAUT), MMed (MUHAS)</i>
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Professor

F. Callea,	<i>MD (Cath. Univ. Rome), PhD (Cath. Univ. Leuven)</i>
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Associate Professor

P. Rambau,
A.A. Oyekunle

MD (UDSM), MMed (Makerere), PhD (Calgary)
MBBS (Nigeria), FMCPATH and M.Sc.
Immunology (Nigeria)

Lecturer

K.J. Kahima
M. H. Cosmas
E. Elias
O. O. Muhini

MD (Krasnodar Russia); MMed (Makerere)
MD (SAUT), MMed (Makerere)
MD (CUHAS), MMed (MUHAS)
MD (CUHAS), MMed (MUHAS)

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Professor

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MD (UDSM), MSc. (Manchester), PhD (Manchester)

Lecturer

A. Liwa,

MD (HKMU., MSc, (Stellenbosch), PhD (Calgary)

Tutorial Assistant

D. Kinabo

MD (MUHAS)

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BVM (SUA), MSc. (Makerere)

Professor:

Z. E. Masesa,

MBChB (Makerere), PhD. (London).

Senior Lecturer

H. Dika,
J.H. Ntogwisangu,
M.A. Njelekela,

MD (UDSM), MSc. (Makerere), PhD (Calgary)
MBChB (Makerere), PhD. (Leeds): Visiting
MD (UDSM), PhD (Japan): Visiting

Assistant Lecturer

E. Malindisa
D. Byamungu

MD (CUHAS), MSc (MUHAS)
MD (MUHAS), MSc (MUHAS)

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Lecturer and Assistant Head

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Lecturer

C. Magwiza MD (MUHAS), MMed (MUHAS)

G.P. Simbee MD, M.Med (MUHAS)

Tutorial Asstant

D. R. Msele MD (CUHAS)

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Lecturer

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A.D. Izina MD (MUHAS), MMed (MUHAS)

B. M. Gombanila MD (MUHAS), MMed (University of Stellenbosch, Cape Town)

Assistant Lecturer

R.S. Kidenda DDR (CUHAS), B.Sc. Med. Imaging (Uganda), M.Sc(Uganda)

Tutorial Assistant

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G.C. Giiti MD (UDSM); MMed (SAUT)

A. Massenga Sr. MD (SAUT), MMed (KCMC), FCS (ECSA)

Lecturer

L. W. Amango MD (UDSM); MMed (Makerere), P.G Dip & MBA

F. J. Mbunda MD (HKMU), MMed (CUHAS)

J. Lubuulwa MBBS (China), Masters of Surgery (China)

A.N Katansi

MD, MPH, MMed

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MD (MUHAS), MMed (Makerere)

Lecturer

O. M Kimario

MD(KCMCo) , MMed (ENT-MUHAS)

C. B. Protas

MD and MMed (ENT-CUHAS)

DEPARTMENT OF OT

Lecturer and Head

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MD (MUHAS), MMed (Makerere)

Lecturer

I.H. Ngayomella

MD (UDSM); MMed (Orth) (Makerere): Visiting

M.M. Nkinda,

MD, M.MED (UDSM), M.Sc (UDSM)

S.G. Swetala

MD (MUHAS), MMed (CUHAS), Fellowship (Addis Ababa Univesity)

W.M. Richard

MD (SAUT) , MMed (MUHAS)

E. E. Mlay

MD(HKMU) , MMed (OT-MUHAS)

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Lecturer

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MD, MMed (CUHAS)

F. Simula

MD(KCMC), MMed (MUHAS)

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MD (UDSM), M.Sc. (Manchester), PhD (Manchester)

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Assistant Lecturer

K. Hamasaki	<i>B.Sc. Pharmacy; M.Sc. Pharmacy</i>
D. Katabalo	<i>B.Pharm (MUHAS), MSc (Nairobi University)</i>
E. Kimaro	<i>B. Pharm (MUHAS), MSc (MUHAS)</i>

Tutorial Assistant

J. C. Kapala	<i>B. Pharm (CUHAS)</i>
W. Minja	<i>B.Pharm(CUHAS)</i>

DEPARTMENT OF MEDICINAL CHEMISTRY AND PHARMCOGNOSY

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S. Maregesi	<i>B.Pharm, PhD</i>	<i>Visiting</i>
R. Malele	<i>B.Pharm, PhD.</i>	<i>Visiting</i>

Senior Lecturer

M. Chambuso	<i>B.Pharm, PhD</i>	<i>Visiting</i>
j. Sempombe	<i>PhD</i>	<i>Visiting</i>
N. Mungai	<i>PhD</i>	<i>Visiting</i>

Assitant Lecturer

R. Matinde	<i>B.Pharm (CUHAS), MSc (MUHAS)</i>
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Tutorial Assistant

A.Thomas	<i>B. Pharm (CUHAS)</i>
T. Mafuru	<i>B. Pharm (CUHAS)</i>

ARCHBISHOP ANTHONY MAYALA SCHOOL OF NURSING

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A. Ndomba	<i>B.ScN (Dalhouse), M.Sc. Nurs (Uppsala), PhD Fellow</i>
K. Malale	<i>B.Sc. N (MUHAS), M.Sc (Kenya), PhD(China)</i>

Assistant Lecturer

A. E. Dinho	<i>ADNE (MUHAS), M.A (SA), MEAPP studies (OPEN)</i>
G.M. Marandu	<i>Dipl.N. (Huruma School of Nursing), B.Sc.N (Tumaini Univerity), MSc. N.Ed (Kenya)</i>
B. Maendeleo	<i>B.Sc.N (MUHAS), M.Sc(Makerere)</i>
M.J. Kiyumbi	<i>Dipl.Nurs, ADM, B.Sc.(Midwifery), MSc. (Uganda)</i>
J. S. Mundamushimu	<i>B.Sc. Nursing (SJUT), M.Sc(MUHAS)</i>

L. Nsemwa	<i>B.Sc. Nursing (MUHAS), M.Sc(MUHAS)</i>
S. E. Kibona	<i>B.Sc. Nursing (CUHAS), M.Sc(CUHAS)</i>
<i>Tutorial Assistant</i>	
A. S. Palangyo	<i>BSc.NED (CUHAS)</i>
P. S. Nzelu	<i>BSc.NED (CUHAS)</i>
<i>Clinical Instructor</i>	
G. L. Omondi	<i>B. Sc Nursibg (SJUT): Emergency Unit</i>
T. K. Kajwangya	<i>B. Sc. Nursing (CUHAS): Emergency Unit</i>
D. I. Ntutagi	<i>B.Sc. Nursing (SJUT): Obstetrics & Gynaecology</i>
P.L. Mvanda	<i>B.Sc Nursing (SJUT): Obstetrics & Gynaecology</i>
R. Rakiru	<i>B.Sc Nursing (KCMC), M.Sc. (CUHAS): Paediatrics</i>
E. P. Rwegasira	<i>B. Sc. Nursing (SJUT): Surgery</i>
R. J. Ongito	<i>B.Sc. Nursing (SJUT): Orthopaedics</i>

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Associate Dean

Vacant

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W.E. Thurston	<i>MD, PhD (Calgary)</i>	Visiting
D. Dewey	<i>MD, MSc, PhD (Calgary)</i>	Visiting
T. Donnon	<i>BSc, Bed, MED, PhD(Calgary)</i>	Visiting
D. Strong	<i>MD, PhD(Calgary)</i>	Visiting
L. Baig	<i>MD, PhD</i>	Visiting

Senior Lecturers

R. Goldstein	<i>MD, CM, FRCPC (Calgary)</i>	Visiting
R. Musto	<i>MD, PhD (Calgary)</i>	Visiting
D. Sabapathy	<i>MD, MBA, MPH (Calgary)</i>	Visiting
R. Zimmer	<i>MD, PhD (Calgary)</i>	Visiting
A. Kapesa,	<i>MD, (UDSM), MMED (MUHAS), PhD (CUHAS)</i>	

DEPARTMENT OF BIOSTATISTICS, EPIDEMIOLOGY AND BEHAVIORAL SCIENCES

Lecturer and Head of Department:

E. Konje,	<i>B.Stat (Makerere), MSc. (CEB) (Makerere), PhD(Calgary)</i>	
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Professor

R. Sauve	<i>MD, MMED, FRCS</i>	<i>Visiting</i>
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T. Beran	<i>BA, MSc, PhD</i>	<i>Visiting</i>
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Senior Lecturer

S.E. Ngallaba,	<i>MD (UDSM), MSc. Epid (Dublin), MPH (Leeds)</i>	
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J. Mwanga	<i>BA Sociology(UDSM), MSc. Sociology (Lond), PhD(Copenhagen)</i>	
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M. Hardy	<i>MB, BS, FRCSC, MSc (Clin-Epid)</i>	<i>Visiting</i>
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M. M. Cuodros	<i>MD, MSc (Epi), FACS, FICS</i>	<i>Visiting</i>
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Lecturer

R. Kitambo,	<i>M.DS (UDSM):</i>	
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R. Ponsiano,	<i>MD, (MUHAS), PGD-Mch, MPH</i>	<i>Visiting</i>
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Assistant Lecturer

P.M Ndaki	<i>MA (DS) (UDSM); B. Theol (Scott Christian Univ. Kenya)</i>	
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Tutorial Assisant

M.W. Manyiri	<i>MD (MUHAS)</i>	
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DEPARTMENT OF ENVIRONMENTAL & OCCUPATIONAL HEALTH AND RESEARCH GIS

Lecturer and Head

E. Charles	<i>PHHC(Kuopio), BSc. ESM (SUA), MPH(SAUT), PhD(Calgary)</i>	
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Professors

D. Thomas	<i>BSc, PhD-GIS</i>	<i>Visiting</i>
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J. Pekkanen	<i>MD, MSc, PhD</i>	<i>Visiting</i>
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K. Raimo	<i>MD, MSc, PhD</i>	<i>Visiting</i>
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K. Rasanen	<i>MD, PhD</i>	<i>Visiting</i>
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K. Corbert	<i>MD, PhD</i>	<i>Visiting</i>
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Senior Lecturer

S. Allaire	<i>MD, PhD</i>	<i>Visiting</i>
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L. McLeod	<i>MD, FRCSC (Calgary)</i>	<i>Visiting</i>
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S. Khan	<i>MBBS, MPH, PhD</i>	<i>Visiting</i>
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INSTITUTE OF ALLIED HEALTH SCIENCES

Principal Tutor and Director

G.R. Tibaijuka,

B. Pharmacy (UDSM), MSc. Pharm (Zaporozyhye Medical Inst., Ukraine)

SCHOOL OF PHARMACEUTICAL SCIENCES

Tutor and Head

J.M. Bitoro,

Diploma, Pharmaceutical Sciences (UDSM), Diploma, Health Personnel Education (CEDHA – Arusha.)

Principal Tutors

O. S. Mejjah,

B. Pharm. (UDSM), Executive MBA (Maastricht - ESAMI). Diploma in Materials Management (NBMM), Diploma. In Pharmaceutical Sciences – UDSM

G. R. Tibaijuka,

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Senior Tutor

V. P. Manyanga

B.Pharm (UDSM), M.Sc. Pharmacy (MUHAS)

Tutor

F. T. Kabigiza

B.Pharm

M. Z. Vingson

B.Pharm

SCHOOL OF DIAGNOSTIC RADIOGRAPHY

Tutor and Ag. Head

E.P. Nabugare

DDR (SAUT), B. Med. Imaging (Kampala)

Assistant Lecturer

R. S. Kidenda

DDR (CUHAS), B.Sc. Med. Imaging (Uganda), M.Sc(Uganda)

Tutors

S.M. Nkwenge,

DDR (UDSM), Diploma in Health Personnel Education (CEDHA, Bachelor of Education (Open University) Visiting

M.E. Nyandigira,

Dipl. Med. Radiography.

Visiting

J. Mhoja

DDR (SAUT), B. Med. Imaging (Kampala)

SCHOOL OF MEDICAL LABORATORY SCIENCES & TECHNOLOGY

Tutor and Head

A.G. Mujungu

Dipl. Education (Butimba), B.Sc. (Biotechnology) (SUA)

Senior Tutor

M. Anga

DMLS (MUHAS), BMLS (CUHAS), M.Sc(MUHAS)

Tutors

A. Matteru,

ADMLT (Clin. Chem) (UDSM)

B. Msemwa

DMLS (CUHAS), BMLS (CUHAS)

Z. Mholya

DMLS (CUHAS), BMLS (CUHAS)

L. W. Mpoyo

BMLS

ADMINISTRATIVE AND TECHNICAL STAFF

Name	Qualification	Title
Administration		
Rev. Dr. Agapit Mroso, OFMCap	Licentiate in Dogmatic Theology (Gregorian-Rome), M. Spiritual Theology (Angelicum- Rome), PhD (Gregorian- Rome)	Deputy Vice Chancellor (PFA)
TBN		Corporate Counsel
Rev. Fr. Christopher M. Dinho	<i>BA in Theology (,Rome); MA in Theology(Rome)</i>	Chaplain
Ms. Thandiwe Y. Peter	B. Com (Wollongong, Aust), Masters StrtHRM (Wollongong, Aust); Masters in Commerce (Wollongong, Aust)	Principal Admin Officer & Personal Assistant to the Vice Chancellor
Ms. Norice Frank	BPA (Mzumbe), MSc. HRM	Senior Human Resources Officer
Mr. Daniel Nkuba	BPA (Mzumbe)	Administrative Officer
Ms. Angelina Josephat Omuyanja	BA with Education, Master of Education Management and Planning (SAUT)	Senior Administrative Officer/Examinations Officer
Ms. Leah Zacharia	B.P.Sc. Sociology (UDSM)	Administrative Officer
Ms. Janeth Peter	B.A. Sociology (SAUT)	Administrative Officer
Ms. Mariam Nhaluke	B.A. Sociology(SAUT)	Administrative Officer/ Convocation Officer
Mr. Geofrey Luena	B.A. Mass Comm (SAUT)	Administrative Officer
Mr. Christian Damas Hamis	B.Local Govt. Management (Mzumbe)	Administrative Officer
Mr. Humphrey Shoo	BPA (Mzumbe)	Administrative Officer/ Admissions Officer
Ms. Blandina Mahiza	Cert. Rec. Management (TPSC-Tabora); Dipl. Rec. Management (TPSC-Tabora)	Principal Rec. Management Asst.
Mrs. Hellen Simon	Dipl. Secretarial Studies (TPSC-Tabora), MDEA I & II,	Senior Personal Secretary
Ms. Anumie Mtweve	Dipl. Secretarial Studies (TPSC-Tabora), MDEA I & II, BBA-HRM (OUT)	Administrative Officer
Ms. Agnes Aswile Kayange	Dipl. Mgt & Admin (ESAMI), Secretarial course stage (NABE) I & II	Principal administrative Assistant
Ms. Bibiana Sekei	Dipl. Mgt & Admin (Shukuru Int. Coll of Business)	Senior administrative Assistant

Name	Qualification	Title
Ms. Stella Zenge	Cert. in Typing (VETA); Computer Course (CBCS)	Administrative Assistant
Ms. Limi B. Lufundisha	Dipl. Secretarial Studies (TPSC-Tabora), MDEA I & II,	Senior Personal Secretary
Ms. Victoria Vicent	Form IV, Certificate (TPSC)	Attendant
Mr. Alex Msenya Mkome	Std. VII	Attendant
Mr. Hezron Bassu	Std VII	Attendant
Mr. Emmanuel Robert	Form IV	Attendant
Mr. Issa Jumanne	Form IV Cert. Driv. Grade I (NIIT)	Senior Driver
Mr. Nazaeli Manase	Form IV Cert. Driv. Grade I (NIIT)	Senior Driver
Mr. Medard Selestine	Cert. Driv	Driver
Mr. Makinda A. Mbaga	Cert.Driv. Grade II	Driver
Mr. Kelvin A. Magesa	Std. VII, Mortuary Attendant certificate	Lab Attendant
Ms. Saida Kheri Batenga	Form IV, Cert (Secretarial)	Personal Secretary
Ms. Grace Benjamin Kweyamba	Form IV, Cert (Secretarial)	Personal Secretary
<i>Finance and Accounts</i>		
Mr. Boniface Kwiyea	ADCA (Mzumbe); CPA (T) (NBAA)	Bursar
Ms. Letitia Rutahamibwa	Cert. Acc. Techn (DSA); Cert. Acc (SAUT); ADA (SAUT)	Asst. Accountant
Ms. Alpha Boniface	Cert. Acc.(SAUT); ADA (SAUT), Post. Grad. Dipl. Finance (SAUT)	Principal Asst. Accountant
Ms. Gracia Tibaijuka	Bachelor of Accountancy (SAUT)	Asst. Accountant
Mr. Emmanuel Nyamilonda	BBA in Accounting & Finance, MSc. Accounting & Finance	Senior Asst. Accountant /Loans Officer
Ms. Hellen Mathias Labia	BBA (SAUT); MBA-Finance	Principal Asst. Accountant
Ms. Gloria W. Mshiu	B.Com-Accounting (UDSM)	Asst. Accountant/Cashier
<i>Internal Audit</i>		
Ms. Bahati Michael Kilungu	ADA(SAUT), CPA (T) (NBAA), MSc. Accounting and Finance (Mzumbe)	Senior Internal Auditor
<i>Procurement and Supplies</i>		
Mr. Mkufi Ikhala	B. Com (material Management) UDSM; CPSP(T) (NBAA/PSPTB)	Sen. Procurement Officer
Ms. Felister Luambano	Cert. PS (PSPTB), Dipl. PS (ZIFA), BPLM (TIA_ DSM)	Asst. Procurement & Supplies Officer

Name	Qualification	Title
Mr. Erastus Thomas Gaudence	Dip. Procurement and Supplies, Adv.Dip in Procurement	Senior Procurement and Supplies Assitant
<i>Library</i>		
Mr. Yanga Machimu	Dipl. LADS (Bagamoyo); B.Libr.& Inf. Mgt (OUT)	Library Officer
Ms. Aziza Gihega	Dipl. LADS (Bagamoyo), BALIS (Tumaini Univ. Dar)	Library officer.
Mr. Oscar Joachim	Cert. Libr. (Bagamoyo), B.Libr.& Inf. Mgt (OUT)	Library Officer
Mr. Oliver Bondo	Cert. Libr (Bagamoyo)	Libr. Asst.
Mrs Scholastica Kishosha	Cert. Libr (Bagamoyo)	Libr. Asst
Ms. Martha Method	Cert. Libr and Records	Libr. Asst
<i>ICT</i>		
Mr. Ismael M. Khangane	<i>B.Sc. (Eng) (Cuba), M.Sc. (I.T.) (Spain)</i>	Principal Programmer I/Head of Computing Center
Mr. Mataba J. Magori	<i>Adv. Dipl. ICT (Carlisle, UK); B.Sc.(Hons) in ICT (Glamorgan UK); Post Grad. Dipl in Computer Security (Glamorgan UK)</i>	Senior Computer Programmer
Mr. Emil Malisha	<i>Cert. Comp. Studies; Dipl. IT (UCC), B.Sc (ICT) SAUT</i>	Systems and Network Administrator
Mr. Festus Lukanazya	<i>B.Comp Science(Arusha)</i>	Computer Programmer (Web Master)
Mr. Andrew Mihayo	<i>Dipl. I.T (UCC)</i>	Senior Comp Technician
Ms. Adeline Urassa	<i>Cert I.T, Dipl. I.T (UCC)</i>	Senior Comp Technician
<i>Students' Welfare</i>		
Sr. Dr. Mary Auxilia Mtuy	BA in Eng. M.Sc. Edu Leadership, M. Theo, PhD	Dean of Students
TBN		Senior Warden
<i>Technical</i>		
Mr. Emmanuel Kimwaga	<i>Dipl.Clin. Med, Dipl. In Prosecution (UDSM)</i>	Principal prosector
Ms. Siphael Msuya	<i>Dipl. In Prosecution (UDSM); B. Gen. Sc.(OUT)</i>	Principal prosector
Ms. Sayyeda Prashant Somaiya	<i>DPS (CUHAS), B.Pharm (CUHAS)</i>	Health Scientist
Mr. Jeffer Bhuko Othman	<i>BMLS</i>	Health Lab. Scientist
Ms. Caroline A. Minja	<i>BMLS (KCMC), Master's in Life Sciences -Health & Biomedical Sciences (NM-AIST)</i>	Health Lab. Scientist
Ms. Tekla Masanja Joseph	<i>B.Sc. Botanical Sciences</i>	Health Scientist (Botanist)

Name	Qualification	Title
Mr. Joseph James John	<i>DDR (CUHAS)</i>	Health Technologist
Ms. Laurencia Kwihaya Philipo	<i>DDR (CUHAS)</i>	Health Technologist
Mr. Juma H. Magege	<i>Form IV, Medical Lab Ass. Course</i>	Laboratory Assistant
Ms. Rosalia Petro Nshoma	<i>Form IV, Medical Att. Cert</i>	Laboratory Attendant
<i>Estates</i>		
Eng. Valeria Aloyce Gabriel	<i>Bachelor of Civil Engineering (DIT)</i>	Civil Engineer & Estates Officer
Mr. Emmanuel Mabula	<i>Adv, Cert in Plumbing (NVTC)</i>	Senior Technician/Plumber Technician
Mr. Eliamin Jimmy	<i>Dipl. In Electronics (Mbeya Techn. College)</i>	Electrical Technician
Mr. Simon Mkama Kabaka	<i>Certificate of Civil Engineering Technician level II, Ordinary Diploma in Civil Engineering and Community Development</i>	Technician

UNIVERSITY MANAGEMENT COMMITTEE

1.	Prof. P. G. Rugarabamu	Vice Chancellor/Chairman
2.	Prof. S.E. Mshana	Deputy Vice Chancellor (ARC)/Vice-Chairman
3.	Rev. Fr. A. Mroso	Deputy Vice Chancellor (PFA)
4.	Vacant	Corporate Counsel
5.	Dr. H. Dika	Dean, Weill Bugando School of Medicine
6.	Dr. R.M. Laisser	Dean, Archbishop Anthony Mayala School of Nursing
7.	Prof. G.W. M. Kongola	Dean, School of Pharmacy
8.	Sr. Dr. M. Mtuy	Dean of Students
9.	Prof. P. Rambau	Director, Quality Assurance
10.	Prof. D. Morona	Director Research and Innovation
11.	Prof Z.E. Masesa	Head, Admissions Unit
12.	Mr. R. Tibaijuka	Director IAHS
13.	Mr. I.M. Khangane:	Director ICT
14.	Mr. B. Kwiyea	Chief Accountant/Bursar
15.	Ms. V A. Gabriel	Estate Officer
16.	Ms. T.Y. Peter	Principal Admin Officer and Personal Assistant to the Vice Chancellor
17.	Vacant	Director of HR& Administration
18.	Dr. E. C. Nyanza	Director of Planning, Business Development and Investment
19.	Ms N. Frank	Senior Human Resources Officer
20.	Mr. Y. Machimu	Ag. Head, Library
21.	Mr. M. Ikhala	Senior Procurement Officer
22.	Rev. Fr. C. M. Dinho	Chaplain
23.	Mr. D. Nkuba	Administrative Officer

The view of Mwanza City from Bugando



