FACULTY OF VETERINARY MEDICINE

Introduction
The Faculty of Veterinary Medicine was established in 1971 with two Departments only. It has since steadily expanded and today it is organized into eight Departments. The Departments are: Veterinary Anatomy, Veterinary Physiological Sciences, Veterinary Pathology, Veterinary Microbiology and Parasitology, Veterinary Public health and Preventive medicine, Veterinary Medicine, and Veterinary Surgery Reproduction and the department of Wild Life and Animal Resources Management. The Faculty also has Buyana Stock Farm which is developing into a Field Station

Undergraduate Programmes
Bachelor of Veterinary Medicine (BVET)
Bachelor of Biomedical Laboratory Technology (BBLT)
Bachelor of Science in Wildlife Health Management (BWHM)
Bachelor of Animal Production Technology and Management (BAPT)

BACHELOR OF BIOMEDICAL LABORATORY TECHNOLOGY (BBLT)

Introduction
Biomedical Laboratory Technology (BBLT) is a programme providing expertise in laboratory based techniques. Members of this profession are responsible for the provision of valid and reliable laboratory based information on which crucial decisions affecting the public are based e.g. monitoring, diagnoses, therapy, food quality and policy issues. Presently, the laboratory technicians have been training up to the diploma status with no advanced certificate available in the country to help them develop professionally. In addition, the diploma training has been deficient in practical aspects leading to graduates being unable to cope with the rapid advances in scientific technology, industrial research and evaluations. This has affected their marketability and efficiency. Thus, the inception of this programme gives significant priority to the upgrading of the laboratory technologists in the nation.

Objectives
The Bachelor of Biomedical Laboratory Technology Programme addresses the following:

1. Enhance laboratory Investigation for purposes of diagnosis, therapy, monitoring, research and Quality control.
2. Develop appropriate laboratory protocols, quality control systems and standardization of laboratory procedures.
3. Initiate, plan and implement laboratory-based research and evaluations.
4. Develop and evaluate laboratory procedures for training, research and industry.
5. Maintain and sustain Laboratory Equipment.
6. Manage and supervise science-based and all manner of laboratories
7. Plan and institute laboratory safety measures
8. Collect, manage, analyses correlate and interpret laboratory test results.
9. Assist in supervision of laboratory-based training.

Admission Requirements

Programme Structure

Duration
The Bachelor of Biomedical Laboratory Technology programme is an evening programme that shall run for a period of three years (six semesters) and will involve lectures, practicals, industrial training, tutorials, seminars, field visits and a project to be written and submitted for examination in the second semester of third year.

Year I: Semester I (Core Courses)		
Course Code	**Course Title**	**CU**
BLT 1101	Bioethics, Human Rights, Laboratory Safety & Procurement	2
BLT 1102	Instrumentation Principles and Techniques	3

BLT 1103	Microscopy & Microphotography	2
BLT 1104	Functional Anatomy and Physiology	4
BLT 1105	Applied Chemistry and Biochemistry	3
BLT 1106	Histology, Histopathology & Histochemistry	4
Year I: Semester I (Electives; Atleast One Of The two)		
BLT 1107	Hospital Attachment I (General lab Practice, Routines & management)	3
BLT 1108	Industrial, Research & Education Attachment I (General lab Practice, Routines & management)	3
	Total Semester CU	**21**
Year I: Semester II (Core Courses)		
BLT 1201	Principles of Quality Assurance and Control	3
BLT 1202	Biomedical Microbiology	4
BLT 1203	Biomedical Parasitology	4
BLT 1204	Haematology & Blood Transfusion Science	4
BLT 1205	Clinical Chemistry & Clinical Pathology	3
Year I: Semester II (Elective Courses)		
BLT 1206	Hospital Attachment II (Histology, Histopathology & Histochemistry)	3
BLT 1207	Industrial, Research & Education Attachment II (Histology, Histopathology & Histochemistry)	3
	Total Semester CU	**21**
BLT 1208	Hospital Attachment III (Biomedical Microbiology & Parasitology)	3
BLT 1209	Industrial, Research & Education Attachment III (Biomedical Microbiology & Parasitology)	3
	Total Recess Term CU	**3**
Year II: Semester I (Core Courses)		
BLT 2101	Serology, Immunology & Immunochemistry	4
BLT 2102	Applied Nutrition & Food Laboratory Science	4
BLT 2103	Molecular Biology & Biotechnology Fundamentals	4
BLT 2104	Genetics, Breeding and Gene Bank Technology	3
BLT 2105	Pharmacology & Chemotherapeutic Technology	3

Year II: Semester I (Elective Courses; Atleast One Of The Two)		
BLT 2106	Hospital Attachment IV (Haematology & Blood Transfusion Science)	3
BLT 2107	Industrial, Research & Education Attachment IV (Haematology & Blood Transfusion Science)	3
	Total Semester CU	**21**
Year II: Semester II (Core Courses)		
BLT 2201	Bio-statistics	3
BLT 2202	Plant Biology, Museum & Herbarium Technology	3
BLT 2203	Environmental Toxicology & Aquatic Laboratory Science	3
BLT 2204	Laboratory Computing and Information technology	2
BLT 2205	Research Methods & Communication Skills	2
Year II: Semester II (Elective Courses; Atleast One Of The Two)		
BLT 2206	Hospital Attachment V (Immunology, Molecular Biology & Biotechnology)	3
BLT 2207	Industrial, Research & Education Attachment V (Immunology, Molecular Biology & Biotechnology)	3
	Total Semester CU	**16**
Recesss Term (Electives; At Least One of the Options)		
BLT 2208	Hospital Attachment VI (Clinical Chemistry & Clinical pathology)	3
BLT 2209	Industrial, Research & Education Attachment VI (Crop & soil science)	3
BLT 2210	Industrial, Research & Education Attachment VI (Applied Nutrition & Food Science)	3
BLT 2211	Industrial, Research & Education Attachment VI (Breeding & Gene Bank Technology)	3
BLT 2212	Industrial, Research & Education Attachment VI (Physiological & Chemotherapeutic Technology)	3
BLT 2213	Industrial, Research & Education Attachment VI (Herbarium & Museum Technology)	3
BLT 2214	Industrial, Research & Education Attachment VI (Environmental & Aquatic Laboratory Science)	3
BLT 2215	Industrial, Research & Education Attachment VI (Biomedical Equipment maintenance & Instrumentation)	3
	Total Semester CU	**3**

Year III: Semester I (Core Courses*)		
BLT 3101	Laboratory & Captive Animal Management	3
BLT 3102	Biologicals & Vaccine Production	2
BLT 3103	Diagnostic Endocrinology & Reproductive Health	3
BLT 3104	Principles of Epidemiology & Disease Prevention	2
BLT 3204	Non-Thesis Research Project **	5
	Total Semester CU Load	**15**
**** carry over course to semester 2. 50 % of research project (= 5 CU) covered during semester 1, completed in semester 2**		
Year III: Semester II (Core Courses)		
BLT 3201	Special Clinical & Diagnostic Technologies	4
BLT 3202	Project Planning, Management and Evaluation	3
BLT 3203	Management and Entrepreneurship	3
BLT 3204	Non-Thesis Research Project (carry over from semester 1 of year 3)	5
	Total Semester CU Load	**15**

KEY

* = Special projects will be in an area of special interest for the students

\+ = equating industrial training to CU is not practical for purposes of payment since in terms of training, the student is occupied 8hrs/day for 20 days a month on average.

** = One seminar session per week during each semester

\# = Saturdays will be used to make up for some of the practical and Seminars.

BACHELOR OF VETERINARY MEDICINE (BVET)

Programme Structure

Duration

The Bachelor of Veterinary Medicine degree programme is a five year programme.
The programme, and its courses are structured as follows;

Year 1: Semester 1		**CU**
BVM 1101	Gross Anatomy	5
BVM 1102	Histology	5
BVM 1103	General Physiology	5
BVM 1104	Biochemistry	4
BVM 1105	General Physiology II	3
Semester II		
BVM 1201	Gross Anatomy II	5
BVM 1202	Histology II	4
BVM 1203	Systematic Physiology I	4
BVM 1204	Embryology	2
Recess Term		
BVM 1301	Animal Management	4
BVM 1302	Animal Production Techniques	1
BVM 1303	Sociology	2
Year II: Semester I		
BVM 2101	Gross Anatomy III	4
BVM 2102	Bateriology/Mycology	4.5
BVM 2103	Protozoology	2
BVM 2104	Entomology	3
BVM 2105	Pharmacology	3
BVM 2106	Virology	3
Semester II		
BVM 2201	General Pathology II	4
BVM 2202	Helminthology	3
BVM 2203	Livestock Production Systems	5
BVM 2204	Nutrition/Pastures Management	4
BVM 2205	Genetics and Animal Breeding	1
Year III: Semester I		
BVM 3101	General Medicine	5
BVM 3102	Reproductive Techniques	5
BVM 3103	Toxicology	1
BVM 3104	Principles of Surgery	4
BVM 3105	Principles of Epidemiology	1
BVM 3106	Public Health	4
BVM 3107	Systematic Pathology I	5
Semester II		
BVM 3201	Immunology	2
BVM 3202	Systematic Pathology II	2
BVM 3203	Ruminant Medicine	5
BVM 3204	Surgery II	4