

MVP 7119	Aquaculture Production Systems & Technology	2
MVP 7120	Wildlife Production Systems & Technology	2
Semester II		
MVP 7221	Advances in Helminthic Diseases	3
MVP 7222	Advances in Animal Reproduction	3
MVP 7223	Advances in Disease Diagnosis	2
MVP 7224	Advanced Diagnostic Pathology	2
MVP 7225	Animal Production	2
MVP 7226	Animal Health Economics	2
MVP 7227	Introduction to Molecular Biology	2

MVP 7228	Veterinary Practice Management	2
MVP 7229	Microbiology of Food of Animal Origins	2
MVP 7230	Policy, Legislation & Public Relations	2
MVP 7231	Habitat Management & Utilization	2

Year II

Semester I & II

The candidate shall conduct research in the field of his/her choice with the guidance of a supervisor. The candidates will be expected from time to time to prepare and present seminars to the continuing students on topics identified with their supervisors. The candidate shall present their research findings by a Dissertation.

MASTER OF SCIENCE IN VETERINARY PATHOLOGY (MVPA)

Objectives

To offer training to candidates and equip them with the necessary knowledge and research skills to enable them identify and carry out the necessary researches into the various diseases and other related problems affecting livestock in the country.

Duration

The programme shall extend over two academic years, (Four Semesters) and shall be by course work and dissertation.

The course work shall consist of lectures, tutorials, seminars and practical classes. It shall be made up of 30 credit units with a total of 510 contact hours.

Programme Structure

Course		CU
MVP 7111		5
MVP 7112		3
MVP 7113		2
MVP 7114		5
MVP 7211		5

MVP 7212		5
MVP 7213		3
MVP 7214*		2
MVP 7215*		2
MVP7216*		2
Total		34

KEY

* = Elective Courses

A candidate shall be required to take 8 courses, seven (7) of which are compulsory and any one from the 3 elective courses. The courses shall be broken down as follows:

Year I: Semester I		CU
MVP 7111	Advanced General Pathology	5
MVP 7112	Tissue fixation, processing and staining	3
MVP 7113	Postmortem (PM) examinations and lesions	5
MVP 7114	The pathology of food animals and diseases	5
Semester II		
MVP 7211	The pathology of poultry diseases	5

MVP 7212	Functional and diagnostic pathology	5
MVP 7213	Statistics and basic research techniques	2
Electives (select only one)		
MVP 7214	The pathology of pet animal diseases	2
MVP 7215	The pathology of diseases of Rabbits	2
MVP 7216	The pathology of diseases of Rabbits game Animals in the country	2

Course work schedules:

Year I: Semester I		CU
Course		
MVP 7111		5
MVP 7112		3

MVP 7113		2
MVP 7114		5
Total		15
Semester II		
MVP 7211		5
MVP 7212		5
MVP 7213		3
MVP 7214*		2
MVP 7215*		2
MVP 7216*		2
Total		19

KEY

* = Elective Courses

Year II: Semester I & II

Devoted to Research Projects/Dissertations

MASTER OF SCIENCE IN MOLECULAR BIOLOGY (MSBS)

Introduction

Molecular biology comprises the most recent technologies applied to solve problems in forensic medicine, animal and plant breeding, drug & vaccine development, diagnosis of diseases of all forms of life, anthropology, Epidemiology, pathogenesis, teratology/embryology, oncogenesis and other disciplines. Molecular biology techniques allow researchers to understand the molecular mechanisms underlying the survival and replication of disease causative agents and pathogenesis of diseases.

Objectives

The MBS programme will:

- (i) Enable postgraduate students to acquire knowledge in molecular biology, which will make them better equipped to manage diseases and other problems in veterinary and human medicine, agriculture and other biological sciences.
- (ii) Train graduates with a qualification sufficient to meet the needs of staff development of local universities and research institutions.

Duration

The MBS duration shall be 2 years (four semesters).

The first year shall consist of course work and practicals spread over the two semesters. The second year shall be for research and dissertation. The maximum duration shall be 3 years.

Programme Structure

Semester I		
MBS 7111	Cell and Molecular Biology	5
MBS 7112	Protein Biotechnology	5
MBS 7113	Molecular Microbiology	5
MBS 7114	Immunobiology	3
MBS 7211	Seminar/Tutorial	3
Semester II		
MBS 7212	Nucleic Acid Biotechnology	3
MBS 7213	Molecular Epidemiology and Population Genetics	3
MBS 7214	Research Methods and Biometry	3
MBS 7215	Seminar/Tutorial	3
MBS 7216	Molecular Virology	3
MBS 7217	Molecular Bacteriology	3

Year II: Semester I & II (Core course)

Research Project and Dissertation.