

BVM 3205	Assisted Reproduction Techniques	5
BVM 3206	Wildlife Diseases and Management	4
BVM 3207	Aquaculture	3
Recess		
BVM 3301	Biostatistics and Research Methods	4
BVM 3302	Wildlife Field Work	4
BVM 3303	Zoo Medicine	2
Year IV: Semester I		
BVM 4101	Therapeutics	3.5
BVM 4102	Livestock Production and Health Economics	2
BVM 4103	Surgery III	4
BVM 4104	Veterinary Obstetrics and Udder H.	3
BVM 4105	Equine and Swine Medicine	1
BVM 4106	Poultry Medicine	1
BVM 4107	Lab. Animal Medicine	1
BVM 4108	Canine and Feline Medicine	1
BVM 4109	Preventive Medicine	3

Semester II		
BVM 4201	Clinical Pathology and Toxicology	2
BVM 4202	Art and Practice of Veterinary Medicine	2
BVM 4203	Surgery 4	4
BVM 4204	Veterinary Extension and Project Pla.	2
BVM 4205	Veterinary Human Resource Management	4
BVM 4206	Fertility and Reproductive Health	4
Recess Term		
BVM 4301	Special Project	5
BVM 4302	Communication Skills	2
BVM 4303	Computer Training	2
Year V: Semester I		
BVM 5101	Diagnostic Pathology	4
BVM 5102	Surgery	4
BVM 5103	Medicine	4
BVM 5104	Herd Health and Reproductive Tech.	4
BVM 5105	Special Project	4

BACHELOR OF SCIENCE IN WILDLIFE HEALTH MANAGEMENT (BWHM)

Introduction

Uganda is endowed with diverse natural a resource of which wildlife is a major component, playing a significant role in the economy. However, during the prolonged civil wars and insecurity during the 1970s and 1980s, wildlife conservation and management as well as the tourist industry collapsed. Illegal activities such as habitat encroachment through agriculture, settlement and poaching culminated into dramatic declines of wildlife populations, extermination of some species and reduction of critical ecosystems. Currently, the relevant custodians of Uganda's Wildlife; Ministry of Trade, Tourism, Wildlife & Antiquities and Uganda Wildlife Authority plus donor agencies have embarked on restructuring and restoration programmes in a bid to restore wildlife populations, ecosystem health and the tourism industry. These are very critical activities for the restoration of Uganda's Wildlife Heritage and tourism Industry.

As the wildlife population continues to dwindle, the human population growth has taken the reverse pattern of exponential growth. Hence the pressure on the natural resources in order to meet the growing human needs. The excessive human exploitation and disruptions of the ecological systems have resulted into excessive stress, causing increased disease incidences, emerging diseases, accumulative pollution in the environment, introduction and invasion of alien and exotic species to mention a few. These health problems impinge on both the human as well as wildlife populations of this country. Therefore there is need for double-pronged strategic approach in dealing with disease prevention and ecosystem management. However, there is lack of professionals with the interdisciplinary skills that link ecosystems, animals, disease prevention and control in agricultural-wildlife interface, production systems and human health issues. This therefore makes this proposal for training wildlife health and management personnel unique and vital to address these issues spelt above.

To achieve most management objectives, there is need to enhance the existing capacity of UWA and other stakeholders (e.g. tourism sector) in the conservation world. And in the recently concluded wildlife policy workshop, UWA gave the mandate for both research, training of the Wildlife Health professionals and managers to Makerere University, Faculty of Veterinary Medicine. The challenge of meeting this need is in our arena and we are therefore confident that this programme will address the critical need for training.

The Department of Wildlife and Animal Resources Management (WARM), Faculty of Veterinary Medicine has developed this programme in line with the University mission of producing skilled manpower needed for the development of this country. The Department of WARM together with its affiliated institutions and collaborators; Uganda Wildlife Authority, (UWA), Uganda Wildlife Education Centre (UWEC), Kajansi Experimental Station, Morris Animal Foundation (MAF), Tufts University at Boston, USA and University of Georgia USA have the facilities and personnel capable of running the programme. The Department liaises with the Faculty of Science and the Makerere University Institute of Environment and Natural Resources (MUIENR) for additional support.

Curriculum Objectives

The overall objective of the programme is to produce well-trained and skilled persons understanding the dynamics of wildlife populations and ecosystem health in general. Based on this specialised training, the graduates of this programme should be able to manage wildlife resources in a healthy and sustainable way enhancing productivity of ecosystems for the present and future generations.

Duration

The Bachelor of Wildlife Health & Management programme is a day program that shall run for a period of three years (six semesters) and will involve lectures, practicals, field training, tutorials, seminars, Field visits and a project to be written and submitted for examination in the second semester of third year. Each academic year shall consist of two semesters and a recess semester.

Programme Structure

Year I: Semester I		CU
WHM 1101	Basic Concepts in Natural Resources	5
WHM 1102	Land uses	3
WHM 1103	Natural Resources Policy and Legislation	3
WHM 1104	Principles of Wildlife ecology	5
WHM 1105	Wildlife Ethology	5
Semester II		
WHM 1201	Physiology and functional Anatomy of Wildlife species	5
WHM 1202	Population genetics	3
WHM 1203	Wildlife Management	5
WHM 1204	Rangeland Management	3
WHM 1205	Park Management	5
Year II: Semester I		
WHM 2101	Wildlife Resource Inventories	2
WHM 2102	Wildlife Parasitology	4
WHM 2103	Wildlife Microbiology	4
WHM 2104	Wildlife Pathology	3
WHM 2105	Research methods	3
WHM 2106	Biostatistics	3
WHM 2107	Computer Science and Information Technology	4
Semester II		
WHM 2201	Economics of Wildlife Production	3
WHM 2202	Planning, monitoring and Evaluation in Wildlife Management	3
WHM 2203	Wildlife Utilisation	4
WHM 2204	Processing, Marketing products of Wild Origin	3
WHM 2205	Applied Pharmacology in Wildlife Management	4
WHM 2206	Animal Restraints	4
Year III: Semester I		
WHM 3101	Diseases of Free Ranging wildlife 1	4
WHM 3102	Epidemiology of Wildlife Resources	4
WHM 3103	Diseases of Free Ranging Wildlife 2	4
WHM 3104	Diagnostic Techniques for Wildlife	5
WHM 3105	Species re-introduction and Translocation 3	3
WHM 3106	Therionology of Wild Animals	4

WHM 3107	Seminars/Tutorials	
Semester II		
WHM 3202	Community Conservation	3
WHM 3203	Captive Wildlife Management	5
WHM 3204	Field Studies	
WHM 3205	Special Projects	2
Elective Courses Candidates select two courses		
WHM 3206	Environmental Health & EIA	3
WHM 3207	Tourism Development & Management	3

WHM 3208	Wildlife & Pathogens Genetics	3
WHM 3209	Conservation Education and Advocacy	3
WHM 308	= Two weeks' Special field training course.	
WHM 309	= Study projects will be in an area of special interest for the students.	
WHM 310	= One seminar session per week during the semester.	
	* Note: Total Minimum CU	126

BACHELOR OF ANIMAL PRODUCTION TECHNOLOGY AND MANAGEMENT (BAPT)

Objectives

This programme will produce graduates who should be able to efficiently and effectively plan and manage activities on a farm and livestock business; do actual livestock farming themselves; manage, analyse, interpret and report farm animal data; develop, adapt and evaluate animal production technologies to suit local needs; assist farmers achieve better efficiency and results in their livestock business setting; instruct and assist farmers in modern farming technologies; develop intra- and inter-farm product quality control systems; instruct and assist farmers and the private sector improve and add value to their animal products; and be conversant with modern technologies for use in high level livestock production.

Duration

The BAPTM programme shall run for a period of three years (six semesters) and will involve lectures, practical, internship training, tutorials, seminars, field visits and a project to be written and submitted for examination in the second semester of third year.

Programme Structure

Year I: Semester I (All core courses)		CU
BAP 1101	Farm Animal Anatomy	4
BAP 1102	Farm Animal Physiology	4
BAP 1103	Farm Animal Biochemistry	3

BAP 1104	Principles of Animal Ethology and Production	3
BAP 1105	Animal Rights, Handling and Legislation	3
BAP 1106	Introduction to Theriogenology	3
Semester II (All core courses)		
BAP 1201	Toxicology	3
BAP 1202	Pharmacology and Veterinary drugs Management	4
BAP 1203	Animal Health and Clinical diagnostics	4
BAP 1204	Diagnostics	4
BAP 1205	Animal Ethology and Nutrition	4
BAP 1206	Ecoparasitology and Vector Borne Diseases	
Recess Term		
BAP 1301	Farm & Community Practice	
Year II: Semester I (Core and Elective Courses)		
Core Courses		
BAP 2101	Farm Structures Housing Technology	3
BAP 2102	Principles of Epidemiology	4
BAP 2103	Pasture and Range Management	3
BAP 2104	Introduction to Animal Pathology	3
BAP 2105	Poultry Health and Management	4
Elective Courses (any one)		
BAP 2106	Swine Health and Management	3
BAP 2107	Beef Animal Health Management	3
BAP 2108	Rabbit & Bee Production	3
Semester II (Core and Elective Courses)		