BACHELOR OF SCIENCE IN FISHERIES AND AQUACULTURE

Introduction

The development of fisheries and aquaculture programme is in line with the University mission of producing skilled manpower for economic development of Uganda. The programme addresses capture fisheries which depends on wild fish stocks and aquaculture which is the production of aquatic organisms under controlled conditions.

Objectives

The overall objective of the programme is to produce well trained and skilled persons understanding the dynamics of aquatic ecosystems. Graduates of this programme should be able to sustainably utilize aquatic resources for the present and future generations.

Programme Structure

The Bachelor of Science in Fisheries and Aquaculture programme 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

Programme Structure

Year I: Semester I		
Course Code	Course	CU
BFA 1101	Introduction to Fisheries Science	3
BFA 1102	Basic Fish Biology	5
BFA 1103	Limnology	5
BFA 1104	Basic Aquatic Ecology	3
BFA 1105	Evolution & Classification	3
BFA 1106	Introduction to Computer and Information Science	
MAK 1101	Information Technology	4
Semester II		
BFA 1201	Population Genetics	4
BFA 1206	Population Genetics	4
BFA 1202	Introduction to Functional Anatomy	3
BFA 1203	Environment Chemistry	3
BFA 1204	Basic Parasitology	3
BFA 1205	Aquatic Microbiology	4
Year II: Semester I		
BFA 2101	Cell & Molecular Biology	4
BFA 2102	Aquaculture Systems	3
BFA 2104	Common fish diseases	5
BFA 2105	Diagnostics of Fish Diseases	4
Semester II		
BFA 2201	Biostatistics	4
BFA 2202	Research Methods & Communication Skills	2
BFA 2203	Biomathematics & Fisheries Stock Assessment	5
BFA 2204	Aquatic Resource Management	5
BFA 2205	Fisheries Socio-Economic	3
BCB 2204	Ecological & Environmental Techniques	4
BCB 2205	Advanced Computer Applications	3
BCB 2207	Internership	3
Recess Term		
BFA 2206	Field Study Project	5
Year III: Semester I		
BFA 3101	Fisheries & Aquaculture Extension	3
BFA 3102	Fish Marketing & Transportation	3
BFA 3103	Aquatic Environmental Health	3
BFA 3104	Pond Sitting Construction &Management	3
BFA 3105	Design & Construction of Fishing Gears	3
Electives		
BFA 3106	Fish Processing Technology & Quality Assurance	3
BFA 3107	Fish Breeding & Applied Endocrinology	4
Semester II		
BFA 3201	Larval Food Production & Hatchery Management	3
BFA 3202	Utilization & Integration of Non-Conventional Aquatic Res.	3
BFA 3203	**Cichlid Culture	3
BFA 3204	Environmental Protection & Impact Assessment	
Electives		
BFA 3205	Feed Formulation and Analysis	4
BFA 3206	Culture of Cyprinids & African Catfishes	4