

BSc. Fisheries and Aquaculture

The programme addresses capture fisheries which depends on wild fish stocks and aquaculture which is the production of aquatic organisms under controlled conditions. 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 utilise aquatic resources for the present and future generations.

YEAR 1 SEMESTER ONE

COURSE BFA	TITLE	(LH)	(TH)	(PH)	(CH)	(CU)
BFA101	INTRODUCTION TO FISHERIES SCIENCE	45	-	-	45	3
BFA 102	BASIC FISH BIOLOGY	45	15	30	75	5
BFA 103	LIMNOLOGY	45	15	30	75	5
BFA 104	BASIC AQUATIC ECOLOGY	30	15	-	45	3
BFA 105	EVOLUTION & CLASSIFICATION	30	-	30	45	3
				TOTAL		19

YEAR I SEMESTER TWO

COURSE BFA	TITLE	LH	TH	PH	CH	CU
BFA106	POPULATION GENETICS	45	-	20	60	4
BFA 107	INTRODUCTION TO FUNCTIONAL ANATOMY	30	-	30	30	3
BFA 108	ENVIRONMENTAL CHEMISTRY	30	-	20	45	3
BFA 109	BASIC PARASITOLOGY	35	-	30	-	3
BFA 110	AQUATIC MICROBIOLOGY	45	-	30	60	4
				TOTAL		17

YEAR II SEMESTER ONE

COURSE BFA	TITLE	LH	TH	PH	CH	CU
BFA211	CELL & MOLECULAR BIOLOGY	40	-	40	60	4
BFA 212	AQUACULTURE SYSTEMS	30	-	30	45	3
BFA 213	INTRODUCTION TO COMPUTER AND INFORMATION SCIENCE	30	-	30	60	4
BFA 214	COMMON FISH DISEASE	55	-	40	75	5
BFA 215	DIAGNOSTICS OF FISH DISEASES	30	-	30	45	3
					TOTAL	19

YEAR II SEMESTER II

COURSE BFA	TITLE	LH	TH	PH	CH	CU
BFA221	BIostatISTICS	30	15	30	60	4
BFA 222	RESEARCH METHODS & COMMUNICATION SKILLS	30	-	30	30	2
BFA 223	BIOMATHEMATICS & FISHERIES STOCK ASSESSMENT	55	-	40	75	5
BFA 224	AQUATIC RESOURCE MANAGEMENT	45	-	60	45	5
BFA 225	FISHERIES SOCIO-ECONOMICS	45	-	-	45	3

RECESS TERM:

BFA 221	INTERNSHIP	-	-	-	120	5
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YEAR III SEMESTER ONE

COURSE BFA	TITLE	LH	TH	PH	CH	CU
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BFA 211	FISHERIES & AQUACULTURE EXTENSION	35	-	20	45	3
BFA 212	FISH MARKETING & TRANSPORTATION	35	-	20	45	3
BFA 213	AQUATIC ENVIRONMENTAL HEALTH	30	-	30	45	3
BFA 214	POND SITING CONSTRUCTION & MANAGEMENT	30	-	30	45	3
BFA 215	DESIGN & CONSTRUCTION OF FISHING GEARS	30	-	30	45	3
ELECTIVES						
BFA 216	FISH PROCESSING TECHNOLOGY & QUALITY ASSURANCE	40	-	40	60	4
F&A 217	FISH BREEDING & APPLIED ENDOCRINOLOGY	40	-	40	60	4
YEAR III SEMESTER TWO						
BFA 321	LARVAL FOOD PRODUCTION & HATCHERY MANAGEMENT	30	-	30	45	3
BFA 322	“NON-CONVENTIONAL AQUATIC RESOURCES”	40	-	10	45	3
BFA 323	CICHLID CULTURE	30	-	30	45	3
BFA 324	ENVIRONMENTAL PROTECTION & IMPACT ASSESSMENT	30	-	30	45	3
ELECTIVES						
BFA 333	FED FORMULATION AND ANALYSIS	40	-	40	60	4
BFA 334	CULTURE OF CYPRINIDS & AFRICAN CATFISHES	40	-	40	60	4