

## BSc. Zoology

Zoology is a branch of biology that deals with the study of mainly animals and animal like organisms. It embraces a wide range of topics but present emphasis is on aspects that are directly relevant to the economic development of Uganda. They include all invertebrate and vertebrate groups, Wildlife, Ecology, Fisheries and Aquatic Science, Entomology and Parasitology. Various other supportive disciplines are studied in the department. These include Cell biology and genetics, evolutionary biology, endocrinology and reproductive physiology, immunology and microbiology, animal behaviour, environmental science, data collection and analysis.

### **BACHELOR OF SCIENCE IN ZOOLOGY (MAJOR AND MINOR)**

CODE	COURSE TITLE	LH	PH	CH	CU
<b>SEMESTER ONE</b>					
ZOO 1101	LOWER INVERTEBRATES	30	30	45	3
ZOO 1102	HIGHER INVERTEBRATES	30	30	45	3
BOT 1103	BASIC GENETICS	30	30	45	3
BCH 2102	CELL BIOLOGY	30	30	45	3
	SEMESTER TOTAL =	90	90	135	12
<b>SEMESTER TWO</b>					
ZOO 1202	SYSTEMATICS and DIVERSITY OF VERTEBRATES	30	30	45	3
BOT 1202	BASIC ECOLOGY	30	30	45	3
	SEMESTER TOTAL =	60	60	90	6
<b>SEMESTER THREE</b>					
ZOO 2101	STRUCTURE and FUNCTION OF VERTEBRATES	30	60	60	4
ZOO 2102	INTRODUCTION TO ENTOMOLOGY	30	30	45	3
MAKBIT110	INTRODUCTION TO COMPUTER and INFORMATION SCIENCE	15	60	45	3
ZOO 2103	INTRODUCTION TO MOLECULAR BIOLOGY	30	30	45	3
ZOO 2104	REPRODUCTION and DEVELOPMENTAL BIOLOGY	30	30	45	3

	SEMESTER TOTAL =	150	180	240	16
<b>SEMESTER FOUR</b>					
ZOO 2201	EVOLUTIONARY BIOLOGY	30	30	45	3
ZOO 2202	INTRODUCTION TO PARASITOLOGY	30	30	45	3
BOT 2203	BIOSTATISTICS	30	30	45	3
ZOO 2207	GEOGRAPHIC INFORMATION SYSTEMS (GIS) and REMOTE SENSING	15	60	45	3
	Total (core) =	105	150	180	12
<b>ELECTIVES</b>					
BOT 2201	BASIC BACTERIOLOGY and VIROLOGY (elective)	30	30	45	3
ZOO 2206	PROJECT PLANNING and MANAGEMENT (elective)	15	60	45	3
	SEMESTER TOTAL =	105+	150+	225+	15+
<b>SEMESTER FIVE</b>					
ZOO 3101	RESEARCH METHODS, COMMUNICATION SKILLS and RESEARCH PROJECT	30	90	75	5
ZOO 3102	HYDROBIOLOGY	45	30	60	4
ZOO 3103	ANIMAL HISTOLOGY	30	30	45	3
	Total (core) =	105	120	180	12
<b>ELECTIVES</b>					
ZOO 3104	BIOLOGICAL ANTHROPOLOGY (elective)	30	0	30	2
ZOO 3105	COMMERCIAL ENTOMOLOGY (elective)	30	30	45	3
BFA 3108	ENVIRONMENTAL PROTECTION and IMPACT ASSESSMENT (elective)	30	30	45	3
	SEMESTER TOTAL =	135+	120+	210+	14+
<b>SEMESTER SIX</b>					
ZOO 3201	ANIMAL BEHAVIOUR	30	30	45	3

ZOO 3208	COMPARATIVE ANIMAL PHYSIOLOGY	30	30	45	3
	Total (core) =	60	60	90	6
<b>ELECTIVES</b>					
ZOO 3204	APPLIED PARASITOLOGY (elective)	30	30	45	3
ZOO 3205	FISH BIOLOGY and AQUACULTURE (elective)	30	30	45	3
ZOO 3206	INTEGRATED PEST and VECTOR MANAGEMENT (elective)	30	30	45	3
ZOO 3207	WILDLIFE ECOLOGY and CONSERVATION (elective)	30	30	45	3
	SEMESTER TOTAL =	120+	120+	180+	9+
<b>RECESS TERM</b>					
ZOO 3301	FIELD ATTACHMENT	45	30	60	4

BSc ZOOLOGY (minor)

CODE	COURSE TITLE	LH	PH	CH	CU
<b>SEMESTER ONE</b>					
ZOO 1101	LOWER INVERTEBRATES	30	30	45	3
ZOO 1102	HIGHER INVERTEBRATES	30	30	45	3
	SEMESTER TOTAL =	60	60	90	6
<b>SEMESTER TWO</b>					
ZOO 1202	SYSTEMATICS and DIVERSITY OF VERTEBRATES	30	30	45	3
	SEMESTER TOTAL =	30	30	45	3
<b>SEMESTER THREE</b>					
ZOO 2104	REPRODUCTION and DEVELOPMENTAL BIOLOGY	30	30	45	3

ZOO 2101	STRUCTURE and FUNCTION OF VERTEBRATES	30	60	60	4
ZOO 2102	INTRODUCTION TO ENTOMOLOGY	30	30	45	3
	SEMESTER TOTAL =	90	120	150	10
<b>SEMESTER FOUR</b>					
ZOO 2202	INTRODUCTION TO PARASITOLOGY	30	30	45	3
	SEMESTER TOTAL =	30	30	45	3
<b>SEMESTER FIVE</b>					
ZOO 3102	HYDROBIOLOGY	45	30	60	4
ZOO 3104	BIOLOGICAL ANTHROPOLOGY (elective)	30	0	30	2
ZOO 3105	COMMERCIAL ENTOMOLOGY (elective)	30	30	45	3
	SEMESTER TOTAL =	45+	30+	60+	4+
<b>SEMESTER SIX</b>					
ZOO 3204	APPLIED PARASITOLOGY (elective)	30	30	45	3
ZOO 3205	FISH BIOLOGY and AQUACULTURE (elective)	30	30	45	3
ZOO 3206	INTEGRATED PEST and VECTOR MANAGEMENT (elective)	30	30	45	3
ZOO 3207	WILDLIFE ECOLOGY and CONSERVATION (elective)	30	30	45	3
	SEMESTER TOTAL =	30+	30+	45+	3+