

Master of Science in Animal Science

CROP AND SOIL SCIENCES DEPARTMENT

www.luanar.ac.mw/aquafish

PROGRAMME DESCRIPTION

A Master of Science degree in Animal Science aims to equip students with competencies in animal nutrition, breeding, natural resources, animal health, animal physiology, biometry, animal farming systems, extension, agricultural economics, and management aspects, along with policy matters. This comprehensive approach enables students to effectively address emerging challenges and related issues in the field.

CAREER PROSPECTS:

Animal scientist, livestock manager, research technician, extension specialist, animal nutritionist, and laboratory manager.

PROGRAMME STRUCTURE

The programme is a 2-year taught graduate programme following entry requirements, procedures, and guidelines of existing university postgraduate programmes. The programme shall require students to do a research project as a partial fulfillment of requirement for the award of a degree.



PROGRAMME COURSES

Year 1 Courses

#	Course Code	Course Name Course	Type
	SEMESTER I COURSES		
1	ANS75100	MSc Animal Science Seminars I	Core
2	ANS75101	Advanced Animal Nutrition	Core
3	ANS75102	Quantitative Genetics	Core
4	ANS75103	Advanced Animal Physiology	Core
5	ANS75104	Current and Emerging Issues in Livestock Production	Elective
6	BIO75101	Applied Biochemistry	Core
7	STA75101	Biometry I	Core
	SEMESTER II COURSES		
1	ANS75200	MSc Animal Science Seminars II	Core
2	ANS75201	Advanced Animal Health	Core
3	ANS75202	Advanced Pasture and Range Management	Core
4	ANS75203	Growth Physiology of Domestic Animals	Elective
5	ANS75204	Instrumentation and Research Methods in Animal Science	Elective
6	ANS75205	Genetic Evaluation, Design and Management of Animal Breeding Programmes	Elective
7	ANS75206	Advanced Animal Genetic Resources Management	Elective
8	ANS75207	Livestock Genomics and Biotechnology	Elective
9	ANS75208	Livestock Production Systems and Policies	Core
10	ANS75209	Reproductive Physiology of Domestic Animals	Elective
11	STA75201	Biometry II	Core

Year 2 Courses

#	Course Code	Course Name Course	Type
	SEMESTER I COURSES		
1	ANS76100	MSc Animal Science Seminars III	Core
	SEMESTER I COURSES		
1	ANS76200	MSc Animal Science Seminars IV	Elective
2	ANS76201	Animal Science Research Thesis	Core

Fees Structure

MSc (International)

Category	Item	Year I ($)	Year 2 ($)	Total ($)
Administra-tive Fees	Application	20.00		20
	Registration	25.00	25.00	75
	Library	100.00	100.00	300
	Medical	245.00	245.00	735
	Examination	65.00	65.00	195
	Sub-Total	455.00	435.00	1325
Tuition fees	Tuition Fee (Average of Local and regional Universities)	2,619.00	2,619.00	5,238.00
	External and Internal examiner's fees and postage	250.00	250.00	500.00
	Supervisory Fees	250.00	250.00	500.00
	Sub-Total	**3,574.00**	**3724.00**	**7,088.00**
Research cost	Research	2,200.00	2,200.00	4,400.00
Student Welfare (7)	Settling-in allowance	95.00		95.00
	Setting-out allowance		95.00	95.00
	Holiday Allowance	60.00	60.00	120.00
	Personal Allowance	2,835.00	2,835.00	5,670.00
	Sub-Total	2,990.00	2,990.00	5,980.00
	GRAND TOTAL	**9,244.00**	**9,224.00**	**18,468.00**

MSc (Local)

Category	Item	Year I ($)	Year 2 ($)	Total ($)
Administrative Fees	Application	20		20
	Registration	25	25	50
	Library	100	100	200
	Medical	245	245	490
	Examination	65	65	130
	Sub-Total	455	435	890
	Tuition Fee (Average of Local and regional Universities)	1,545.00	1,565.00	3,110.00
	External and Internal examiners fees and postage	250	250	500.00
	Supervisory Fees	250	250	500.00
	Sub-Total	2,500.00	2,500.00	5,000.00
Research costs	Research	2,200.00	2,200.00	4,400.oo
Student Welfare	Settling-in allowance	95		95.00
	Settling-out allowance		95	95.00
	Holiday Allowance	60	60	120.00
	Personal Allowance	2,835.00	2,835.00	5,670.00
	Sub-Total	2,990.00	2,990.00	5,980.00

ENTRY REQUIREMENTS:

: BSc in Animal Science or any closely related field with a minimum GPA of 3.0, and GPA > 2.5 for Animal Science core courses. BSc in Animal Science or any closely related field with a minimum GPA of 2.5 in Animal Science core courses or GPA of 2.6 and 3 years working experience in an animal science-related field. Students with a strong pass of or credit in BSc degree in Animal Science or related programmes shall be enrolled into the Programme.

CURRICULUM DELIVERY:

The mode of delivery will be face-to-face, particularly during practical sessions. However, a blended of mode of delivery of e-learning and face-to-face will be used for lectures in situations where meeting face-to-face is logistically difficult or impossible due to mandatory restrictions of gatherings or other University-approved restrictions.

LOCATION OF PROGRAM:

LUANAR Bunda College

TECHNIQUES OF DELIVERY:

: Lectures and demonstrations, Laboratory, classes, Industrial visits, Tutorials, Seminars, Assignments and exercises, Process design research projects (coursework) and Work Integrated Learning.



a University with endless possibilities

Africa Center of Excellence in Aquaculture and Fisheries Science – LUANAR

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