

Master of Science in Crop Protection

CROP AND SOIL SCIENCES DEPARTMENT

www.luanar.ac.mw/aquafish

PROGRAMME DESCRIPTION

The programme seeks to provide an understanding of the different physical, economic, and social environments in which agriculture in developing countries is managed and improved. It also aims to provide knowledge of how insects, pathogens, and weeds affect crop plants, causing damage either in the field or during storage in tropical regions, and how to contain these losses.

CAREER PROSPECTS:

Insect Biologist, Agricultural consultant, Research scientist, Agronomist, Extension officer, Crop protection specialist, Quality control manager, Pest control advisor, Agricultural policy analyst, and Field agronomist.

PROGRAMME STRUCTURE

The MSc Crop Protection combines a core curriculum of crop protection courses with a wide range of electives focusing on agronomy, soil science, and plant breeding. This flexibility on electives allows students to create a curriculum uniquely tailored to their career goals and provides diverse opportunities to explore agriculture and leading-edge agricultural research.



PROGRAMME COURSES

Year 1 Courses

#	Course Code	Course Name Course	Type
	SEMESTER I COURSES		
1	CPN75100	Crop Protection Seminar 1	Core
2	CPN75101	Insect Classification and Ecology	Core
3	CPN75105	Advanced Plant Pathology	Core
4	CSS75001	Plant Physiology and Biochemistry	Core
5	CSS75100	Scientific Writing and Communication	Core
6	CSS75102	Agrometeorology and Climatology	Elective
7	CSS75102	Agrometeorology and Climatology	Elective
8		Research Methods in Agriculture	Core
9	HOR75102	Plant Morphogenesis and Development	Elective
10	PLB75104	Advanced Plant Genetics	Elective
	SEMESTER II COURSES		
1	CPN75103	Advanced Plant Protection Laboratory Technologies	Core
2	CPN75107	Weed Ecology	Core
3	CPN75200	Crop Protection Seminar II	Core
4	CPN75201	Pesticide Chemistry and Application	Core
5	CPN75203	Plant Parasite Interactions	Core
6	CPN75204	Integrated Pest Management	Core
7	NRM75206	Climate Change and Social Justice	Elective
8	PLB75201	Advanced Plant Breeding	Elective
9	PLB75202	Plant Genetic Resources	Elective
10	SSC75204	Soil fertility and Plant Nutrition	Elective
11	SSC75204	Soil fertility and Plant Nutrition	Elective

Year 2 Courses

#	Course Code	Course Name Course	Type
	SEMESTER I COURSES		
1	CRP75908	Crop Protection Thesis Proposal	Core
2	CRP75909	Crop Protection Thesis Report	Core

Fees Structure

MSc (International)

Category	Item	Year I ($)	Year 2 ($)	Total ($)
Administrative 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:

A candidate shall either hold a relevant bachelor's degree of Lilongwe University of Agriculture and Natural Resources or a qualification from an approved institution of higher learning deemed to be equivalent to a BSc degree from Lilongwe University of Agriculture and Natural Resources. A candidate shall not be admitted to an MSc degree unless they have obtained at least a 2.6 GPA or equivalent aggregate marks in undergraduate studies.

CURRICULUM DELIVERY:

The programme will be delivered through face-to-face mode.

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

aquaFish-project@luanar.ac.mw

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