

Postgraduate Study Programmes offered at Makerere University, Department of Zoology, Entomology and Fisheries Sciences, under COTRA

Master of Science in Zoology (Option: Fisheries and Aquaculture)

The two-year full-time programme of study consisting of two parts: coursework and research projects, each lasting at least twelve months. The programme aims at imparting knowledge and skill to designing and implementing a scientific research in aquatic ecosystem to ensure sustainable aquatic resources utilisation and management.

Admission requirements: Local and international candidates should have a minimum of lower second class degree in Zoology, Agriculture, Veterinary, Education (Science), Environmental Science and other related science subjects from recognised Universities.

Programme Structure: the program is run on a semester system involving lectures, practical, field training, tutorials, and seminars, field visits in Year 1 and examinable research thesis in Year II. The courses in Table below are delivered and written in English. The pass mark is 60% of which progressive assessment contribute 40% of the final result awarded per course while the written exam contributes 60%.

Course code	Year I: Semester I	CU
BOZ 7101	Biostatistics	3
BOZ 7102	Natural Resources and Landscape Processes	3
BOZ 7103	Scientific Inquiry and Communication Skills	3
ZOO 7104	Advanced Project Planning & Management	3
ZOO 7105	Advanced Geographic Information Systems & Remote Sensing	3
	Year I: Semester II	
ZFA 7207	Fish Handling, Processing and Marketing	3
ZFA 7208	Ecology & Management of Wetlands, Rivers & Lakes	4
ZFA 7209	Fish Nutrition & Feed Technology	3
ZFA 7210	Advanced Fish Population Dynamics	3
ZFA 7211	Aquaculture Production Systems	3
BOZ 7201	Seminar Series	2
	Year II	
	Research Project	5

More information about graduate studies is available on the official website of the Directorate of Research and Graduate Training: <https://rgt.mak.ac.ug> including information on academic obligations, graduate regulations and admissions.

PhD in Zoology (Aquatic Systems, Fisheries, Aquaculture)

The three-year programme provides in depth knowledge and skills for students to develop innovative approaches in aquatic ecosystem for clean and sustainable aquatic resources utilisation and management

Admission requirements: Local and international candidates should have a Master of Science Degree in Zoology, Agriculture, Veterinary, Education (Science), Environmental Science and other related science subjects from recognised Universities

Programme Structure: the program is run on a semester system. In Year I students undertake mandatory Cross-cutting Courses (Table below) managed by School of Graduate Studies. The pass mark is 60% of which progressive assessment contributes 40% of the final result awarded per course while the written exam contributes 60%. The cross-cutting courses run on a modular basis with each course offered each year, delivery in form of didactic lectures, with the major part devoted to practical, tutorials and problem based seminars. The core courses are a requirement for all PhD students. The maximum semester load is 18 CU and the minimum program load is 24 CU. In years II - III, students conduct research and write dissertation and are examined.

Course code	Core courses	CU	Host
CCC 9101	Advanced Research Methods	4	Directorate of Research & Graduate Training
ART 9102	Philosophy of Method	3	Department of Philosophy
ART 9105	Scholarly Writing & Communication Skills	3	Department of Languages
	Elective courses		
LIB 9103	Information Competence & Management	3	University Library
WGS 9104	Advanced gender Research Methodology	3	School of Women and Gender
ISE 9106	Advanced Quantitative Data Analysis	4	School of Statistics & Planning
SOC 9107	Advanced Qualitative Data Analysis	4	School of Social Sciences
FOM 2087	Mechanisms & epidemiology of Cancer (Africa)	3	College of Health Sciences
FOM 9108	Clinical Epidemiology	3	College of Health Sciences
FOM 9109	Genes and Genomes in the Tropics	3	College of Health Sciences
FVM 7201	Advanced Epidemiology	4	School of Public Health
FOM 9110	Biomedical Research Methods	4	College of Health Sciences.

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