

Department of Biology
Academic Course Description for Students
Postgraduate Study

Master of Ecology							
First course				Second course			
Subject	Hours			Subject	Hours		
	THEO	Pract.	Units		THEO	Pract.	Units
Molecular Biology	3	-	3	Experimental Ecology	3	-	3
Inland Water Ecology	3	-	3	Biostatistics	3	-	3
Elective 1	3	-	3	Elective 1	3	-	3
Elective 2	3	-	3	Elective 2	3	-	3
English	1	-	1	English	1	-	1
				Methods of Writing Scientific Research	-	-	Satisfied
				Seminar	-	-	Satisfied

Ph.D. Ecology							
First course				Second course			
Subject	Hours			Subject	Hours		
	THEO	Pract.	Units		THEO	Pract.	Units
Environmental Techniques	3	-	3	Wetlands Ecology	3	-	3
Biodiversity and Evolution	3	-	3	Molecular Bio indicators	3	-	3
Elective 1	3	-	3	Elective 1	3	-	3
Elective 1	3	-	3	Elective 2	3	-	3
English	1	-	1	English	1	-	1
Seminar	-	-	Satisfied	Methods of Writing Scientific Research	-	-	Satisfied
				Seminar	-	-	Satisfied

Master of Botany							
First course				Second course			
Subject	Hours			Subject	Hours		
	THEO	Pract.	Units		THEO	Pract.	Units
Molecular Biology	3	-	3	Plant Tissue Culture	3	-	3
Secondary Metabolites	3	-	3	Biostatistics	3	-	3
Elective 1	3	-	3	Elective 1	3	-	3
Elective 2	3	-	3	Elective 2	3	-	3
English	1	-	1	English	1	-	1
Seminar	-	-	Satisfied	Methods of Writing Scientific Research	-	-	Satisfied
				Seminar	-	-	Satisfied

Ph.D. in Botany							
First course				Second course			
Subject	Hours			Subject	Hours		
	THEO	Pract.	Units		THEO	Pract.	Units
Plant Biotechnology	3	-	3	Molecular Cytology	3	-	3
Lower Plants	3	-	3	Phytochemistry	3	-	3
Elective 1	3	-	3	Elective 1	3	-	3
Elective 2	3	-	3	Elective 2	3	-	3
English	1	-	1	English	1	-	1
Seminar	-	-	Satisfied	Methods of Writing Scientific Research	-	-	Satisfied
				Seminar	-	-	Satisfied

Master of Zoology							
First course				Second course			
Subject	Hours			Subject	Hours		
	THEO	Pract.	Units		THEO	Pract.	Units
Molecular Biology	3	-	3	Molecular Biology	3	-	3
Biosystematics	3	-	3	Histopathology	3	-	3
Elective 1	3	-	3	Elective 1	3	-	3
Elective 2	3	-	3	Elective 2	3	-	3
English	1	-	1	English	1	-	1
Seminar	-	-	Satisfied	Seminar	-	-	Satisfied

Ph.D in Zoology							
First course				Second course			
Subject	Hours			Subject	Hours		
	THEO	Pract.	Units		THEO	Pract.	Units
Reproductive Biotechnology	3	-	3	Endocrinology	3	-	3
Gene Therapy	3	-	3	Biodiversity and Evolution	3	-	3
Elective 1	3	-	3	Elective 1	3	-	3
Elective 2	3	-	3	Elective 2	3	-	3
English	1	-	1	English	1	-	1
Methods of Writing Scientific Research	-	-	Satisfied	Methods of Writing Scientific Research	-	-	Satisfied
Seminar	-	-	Satisfied	Seminar	-	-	Satisfied

Master of Microbiology

First course				Second course			
Subject	Hours			Subject	Hours		
	THEO	Pract.	Units		THEO	Pract.	Units
Molecular Biology	3	-	3	Microbial Physiology	3	-	3
Medical Microbiology	3	-	3	Biostatistics	3	-	3
Elective 1	3	-	3	Elective 1	3	-	3
Elective 2	3	-	3	Elective 2	3	-	3
English	1	-	1	English	1	-	1
Seminar	-	-	Satisfied	Methods of Writing Scientific Research	-	-	Satisfied
				Seminar	-	-	Satisfied

Ph.D in Microbiology

First course				Second course			
Subject	Hours			Subject	Hours		
	THEO	Pract.	Units		THEO	Pract.	Units
Medical Immunology	3	-	3	Antimicrobial Agent	3	-	3
Mechanisms of microbial Pathogenicity	3	-	3	Microbial Proteins	3	-	3
Elective 1	3	-	3	Elective 1	3	-	3
Elective 2	3	-	3	Elective 2	3	-	3
English	1	-	1	English	1	-	1
Seminar	-	-	Satisfied	Methods of Writing Scientific Research	-	-	Satisfied
				Seminar	-	-	Satisfied

Master of Genetics

First course				Second course			
Subject	Hours			Subject	Hours		
	THEO	Pract.	Units		THEO	Pract.	Units
Molecular Biology	3	-	3	Bioinformatics	3	-	3
Genetic Engineering Techniques	3	-	3	Biostatistics	3	-	3
Elective 1	3	-	3	Elective 1	3	-	3
Elective 2	3	-	3	Elective 2	3	-	3
English	1	-	1	English	1	-	1
				Methods of Writing Scientific Research	-	-	Satisfied
				Seminar	-	-	Satisfied