

Syllabus

B.Sc. (Hon.) Agriculture Entomology Syllabus

Sr. No.	Sem.	Course No.	Credits	Course Title
1	II	ENTO 121	2(1+1)	Fundamentals of Entomology
2	III	ENTO 232	2(1+1)	Insect Ecology and Integrated pest Management
3	IV	ENTO 243	2(1+1)	Pest of Horticultural Crops and their Management
4	V	ENTO 354	2(1+1)	Pests of Crops and Stored Grain and their Management
5	VI	ENTO 365	2(1+1)	Management of Beneficial Insects
5	VIII	ELM ENTO 486	10(0+10)	Mass Production of Bioagents and Biopesticides
6	VIII	ELM ENTO 487	10(0+10)	Commercial Bee Keeping
7	VIII	ELM ENTO 488	10(0+10)	Silkworm Cocoon Production Technology

Proposed CPW of M.Sc. Entomology at COA, Badnapur

Details of Examination passed

Examination passed	University	Year of passing	Subject	Percentage of Marks/CGPA
Bachelor's Degree	All Agril. Subjects

Details of Course Work Proposed:

Field of Master degree	Proposed credits	Minimum credits
Major Courses	24	20
Minor Courses	08	08
Supporting Courses	06	06
Seminar	01	01
Total	39	35
Non-Credit Compulsory Courses	05	05
Research	30	30

Details of Course Work Proposed:

Sem.	Course	Course No.	Title	Credits
I	Major	ENT-501*	Insect Morphology	3 (2 + 1)
		ENT-502*	Insect Anatomy, Physiology and Nutrition	3 (2 + 1)
		ENT-505	Biological Control of Insect Pests and Weeds	3 (2 + 1)
		ENT-509	Pests of Field Crops	3 (2 + 1)
	Minor	PL.PATH-502	Plant Virology	3 (2 + 1)
	Supporting	AGRON -503	Principles and practices of weed Management	3 (2 + 1)
	Total Course credits			18
	Non-credit compulsory	PGS-501	Library and Information Services	1 (0 + 1)
	PGS-504	Basic Concepts in Laboratory Techniques	1 (0 + 1)	
Total Courses			18+2NC=20	
II	Major	ENT-503*	Insect Taxonomy	3 (1 + 2)
		ENT-506*	Toxicology of Insecticides	3 (2 + 1)

		ENT-508*	Concepts of Integrated Pest Management	2 (2 + 0)
		ENT-510*	Pests of Horticultural and Plantation Crops	3 (2 + 1)
	Minor	PL. PATH-506	Techniques in detection and diagnosis of plant diseases	2 (0+ 2)
		PL. PATH-507	Principles of Plant Disease Management	3 (2 + 1)
	Supporting	STAT-511	Experimental designs	3 (2 + 1)
Total course credits				19
	Non-credit compulsory	PGS-502	Technical Writing and Communication Skill	1 (0 + 1)
		PGS-503	Intellectual Property and its Management in Agriculture	1 (1 + 0)
Total courses				19+2NC=21

PTO

2

III	Major	ENT-515	Techniques in Plant Protection	1 (0 + 1)	
		ENT-591	Masters Seminar	1 (0+ 1)	
	Total course credits				02
	Non-credit compulsory	PGS-505	Agricultural Research Ethics and Rural Development Programmes	1 (1 + 0)	
	M. Research	ENT-599	Master Research	15 (0 + 15)	
Grand Total				17+1NC=18	
IV	M. Research	ENT-599	Master Research	15 (0 + 15)	
	Total course credits				15
	Grand Total 20+21+18+15				74