

Module Descriptions

A **module** is a self-contained **learning unit** within a higher education program that includes thematically related courses and is assigned a **fixed number of credits**. It follows specific **learning objectives**, includes an **assessment component**, and contributes to achieving the qualifications of a degree program. In some countries, “modules” are also named “courses”.

Please provide a module description for each module. In addition to the compulsory and elective modules, this also includes credited internships and the final thesis.

Please summarize all module descriptions in one document (Module Handbook) and create a table of contents so that the modules can be found easily.

Module designation	Entomology			
Semester(s) in which the module is taught	Odd			
Person responsible for the module	Triatmanto, M.Si			
Language	Indonesian language			
Relation to curriculum	Elective subject			
Teaching methods	lecture, project, case study, seminar, examination			
Workload (incl. contact hours, self-study hours)	Total workload is 91 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week for 16 weeks.			
Credit points	2 SKS (3.2 ECTS)			
Required and recommended prerequisites for joining the module	Invertebrate Biology			
Module objectives/intended learning outcomes	- PLO-6 - PLO-7			
Content	This course develops an understanding of insect objects, the role of insects that are beneficial and harmful ecologically, agriculture, health, and industry, as well as skills in dealing with insects directly and interpretations, predictions about the dynamics of insect populations based on secondary data.			
Examination forms	Test, rubrics, and presentation			
Study and examination requirements	Requirements for successfully passing the module			
	The final mark will be weight as follow:			
	NO	Assessment Techniques	Percentage Weight	Information

			Assessment (%)	
	1	Cognitive	50	Maximum assessment weight accumulation 50%
		Presence	5	
		Task	5	
		Quiz	10	
		Mid-semester exams	15	
		Final Semester Exam	20	
	2	Participatory	50	Maximum assessment weight accumulation 50%
		Case study	25	
		Team Base Project	25	
		Total	100	
Reading list	A. Compulsory books 1. Sastrahidajat. 1983. <i>Entomologi Terapan</i>. Bandung: ITB 2. Karlshoven, LGF . 1981. <i>The Pest of Crops In Indonesia</i>. Jakarta: PT Ichtiar baru Van Hoeve 3. Metcalf, R. L., W. P. Flint, and C. L. Metcalf. 2018. <i>Destructive and Useful Insects</i>. New York: McGraw-Hill. B. Recommended books 1. Robert E. Snodgrass, <i>Principles of Insect Morphology</i> (Ithaca, NY: Comstock Publishing Associates, 1993). 2. Whitfield, James B., and Alexander Purcell III. 2021. <i>Daly and Doyen's Introduction to Insect Biology and Diversity</i>. 4th ed. New York: Oxford University Press. 3. Ross, H. H., R. C. Ross, and C. A. Triplehorn. 2006. <i>A Textbook of Entomology</i>. Malabar, FL: Krieger Publishing Company. 4. Johnson, N and Triplehorn, C. 2020. <i>Borror and DeLong's Introduction to the Study of Insects</i>. Cengage Learning.			