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.

<table>
<tr><td>Module designation</td><td>Lab Work of Entomology</td></tr>
<tr><td>Semester(s) in which the module is taught</td><td>Odd</td></tr>
<tr><td>Person responsible for the module</td><td>Triatmanto, M.Si</td></tr>
<tr><td>Language</td><td>Indonesian language</td></tr>
<tr><td>Relation to curriculum</td><td>Elective subject</td></tr>
<tr><td>Teaching methods</td><td>lecture, project, case study, seminar, examination</td></tr>
<tr><td>Workload (incl. contact hours, self-study hours)</td><td>Total workload is 45 hours semester which is used for pretest, practicum preparation, practice, report making, report presentation and response for 16 weeks.</td></tr>
<tr><td>Credit points</td><td>1 SKS (1.6 ECTS)</td></tr>
<tr><td>Required and recommended prerequisites for joining the module</td><td>Invertebrate Biology</td></tr>
<tr><td>Module objectives/intended learning outcomes</td><td>- PLO-5
- PLO-9</td></tr>
<tr><td>Content</td><td>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</td></tr>
<tr><td>Examination forms</td><td>Test, rubrics, and presentation</td></tr>
<tr><td>Study and examination requirements</td><td>Requirements for successfully passing the module
The final mark will be weight as follow:
<table><tr><td>NO</td><td>Assessment Techniques</td><td>Percentage Weight</td><td>Information</td></tr></table></td></tr>
</table>

		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. *Entomologi Terapan.* Bandung: ITB
2. Karlshoven, LGF . 1981. *The Pest of Crops In Indonesia.* Jakarta: PT Ichtiar baru Van Hoeve
3. Metcalf, R. L., W. P. Flint, and C. L. Metcalf. 2018. *Destructive and Useful Insects*. New York: McGraw-Hill.

B. Recommended books

1. Robert E. Snodgrass, *Principles of Insect Morphology* (Ithaca, NY: Comstock Publishing Associates, 1993).
2. Whitfield, James B., and Alexander Purcell III. 2021. *Daly and Doyen's Introduction to Insect Biology and Diversity*. 4th ed. New York: Oxford University Press.
3. Ross, H. H., R. C. Ross, and C. A. Triplehorn. 2006. *A Textbook of Entomology*. Malabar, FL: Krieger Publishing Company.
4. Johnson, N and Triplehorn, C. 2020. Borror and DeLong's Introduction to the Study of Insects. Cengage Learning.