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	Laboratory Work in Animal Biosystematics
Semester(s) in which the module is taught	Even
Person responsible for the module	Rizka Apriani Putri, M.Sc
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 45 hours per semester which is used for pretest, practicum preparation, practice, report making, report presentation and response for 16 weeks.
Credit points	1 SKS (1.6 ECTS)
Required and recommended prerequisites for joining the module	Invertebrate Biology, Lab Work in Invertebrate Biology, Vertebrate Biology, Lab Work in Vertebrate Biology
Module objectives/intended learning outcomes	- PLO-2 - PLO-5 - PLO-9
Content	This course provides practical application in Animal Biosystematics including : commonly used technical terms in animal biosystematics, OTUs sampling in invertebrates and vertebrates , Numeric Phenetic analysis using UPGMA, standard Bioinformatics procedure using BLAST
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 Assessment (%)	Information
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. Simpson, G.G. 1961, Principles of Animal Taxonomy, Oxford Book Company, New Delhi B. Richards, R.E., 2016, Biological Classification, A Philosophical Introduction, Cambridge University Press, UK C. J.E Winston, 1999, Describing Species: Practical Taxonomic D. Procedure for Biologist, Columbia University Press, New York E. Hickman, C. P. et al. ,2017, Integrative Principles of Zoology 17th Ed, McGraw Hill Education, New York F. Wiens, J.J. (ed), 2000, Phylogenetic Analysis of G. Morphological Data, Smithsonian Institution