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	Ichthyology
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)	100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week
Credit points	2 SKS (3.2 ECTS)
Required and recommended prerequisites for joining the module	General Biology, Vertebrate Biology
Module objectives/intended learning outcomes	- PLO-2 - PLO-3
Content	This course provides an introduction to fish biology and covers the following topics: diversity, systematics, functional anatomy, physiology, ecology, evolution and conservation.
Examination forms	Test, rubrics, and presentation

<table>
<tr><td>Study and examination requirements</td><td>Requirements for successfully passing the module
The final mark will be weight as follow:

<table>
<tr><th>NO</th><th>Assessment Techniques</th><th>Percentage Weight Assessment (%)</th><th>Information</th></tr>
<tr><td>1</td><td>Cognitive</td><td>50</td><td>Maximum assessment weight accumulation 50%</td></tr>
<tr><td rowspan="4"></td><td>Presence</td><td>5</td><td></td></tr>
<tr><td>Task</td><td>15</td><td></td></tr>
<tr><td>Mid-semester exams</td><td>15</td><td></td></tr>
<tr><td>Final semester exams</td><td>15</td><td></td></tr>
<tr><td>2</td><td>Participatory</td><td>50</td><td>Maximum assessment weight accumulation 50%</td></tr>
<tr><td rowspan="3"></td><td>Case study</td><td>25</td><td></td></tr>
<tr><td>Team Base Project</td><td>25</td><td></td></tr>
<tr><td>Total</td><td>100</td><td></td></tr>
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<tr><td>Reading list</td><td>
A. Moyle, P and J Cech Jr. 2004. Fishes: An Introduction to Ichthyology 5th edition. Pearson Prentice Hall.
B. Helfman, G., Collette, B., Facey, D. and Bowen, B. 2022. The Diversity of Fishes 3rd Edition. WileyBlackwell Publishers.
C. Kardong, K.V. 2019. Vertebrates : Comparative Anatomy, Function, Evolution 8th Ed. McGraw Hill Education, New York
D. Hickman, C. P. et al. 2017. Integrative Principles of Zoology 17th Ed, McGraw Hill Education, New York
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