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	Ornithology
Semester(s) in which the module is taught	Even
Person responsible for the module	Rio Christy Handziko S.Pd.Si., M.Pd.
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	Vertebrata biology
Module objectives/intended learning outcomes	- PLO-2 - PLO-3
Content	This course examines the historical development of ornithological science, the diversity and critical roles of birds in maintaining ecosystem balance, and the processes of bird identification based on morphological, anatomical, and behavioral characteristics. Students will learn to apply these traits within taxonomic systems. Additional topics include bird distribution influenced by biogeographical factors, which are integral to speciation and evolutionary processes. Each bird species possesses distinctive identifying markers and unique behaviors that require conservation measures informed by ongoing research and field conditions.
Examination forms	Test, rubrics, and presentation

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<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="5"></td><td>Presence</td><td>5</td><td></td></tr>
<tr><td>Task</td><td>5</td><td></td></tr>
<tr><td>Quiz</td><td>10</td><td></td></tr>
<tr><td>Mid-semester exams</td><td>15</td><td></td></tr>
<tr><td>Final Semester Exam</td><td>20</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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<td>Reading list</td>
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A. Harrison, Colin James Oliver, and Alan Greensmith. 2003. Smithsonian Handbooks: Birds of the World. London: Dorling Kindersley.
B. Scott, Graham. 2010. Essential Ornithology. New York : Oxford University Press.
C. Lovette, I. J., and John W.F. 2016. Handbook of Bird Biology Third Edition. UK : John Wiley & Sons Ltd.
D. Birkhead, T., Jo W., and Bob M. 2014. Ten Thousand Birds : Ornithology since Darwin. UK : Princeton University Press
E. Sutherland, W. J., Newton, I., and Green, R. E. 2004. Bird Ecology and Conservation, a Handbook of Techniques. New York, USA. Oxford University Press.
F. Stotz, D. F., Fitzpatrick, J. W., Parker, T. A. and Moskovits, D. K. 1996. Neotropical Birds Ecology and Conservation, With Ecological and Distributional Databases. Chicago, USA. University Chicago Press.

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