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	Biogeography
Semester(s) in which the module is taught	Even
Person responsible for the module	Drs. Sudarsono, 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	-
Module objectives/intended learning outcomes	- PLO-1 - PLO-11

Content	This course equips students with the ability to explain: 1. The scope of biogeography 2. The division of biogeographic regions 3. The dispersal of organisms and its agents 4. The relationship between dispersal, centers of diversity, and organismal diversity 5. The influence of edaphic factors, latitude, altitude, and climate on dispersal and biodiversity 6. The distribution and diversity of biomes 7. The relationship of selection, modification, adaptation, isolation, speciation, and evolution to the distribution and diversity of organisms 8. Organismal strategies for survival and reproduction 9. The relationship of selection, modification, adaptation, isolation, speciation, and evolution to species distribution and extinction 10. The dynamics among local species, alien species, invasive species, and endemism 11. The distribution of flora and fauna in Indonesia 12. The links between species extinction and global warming 13. The origins of agriculture, the distribution of cultivated plants, and their uses in daily life 14. The impact of invasive species on biome change and ecosystem balance 15. Malesian flora 16. Germplasm resources and species rarity
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. Polunin, Nicholas. 1990. Pengantar Geografi Tumbuhan dan Beberapa Ilmu Serumpun. Yogyakarta: Gadjah Mada University Press.
B. Lomolino, Mark V., Brett R. Riddle, and Robert J. Whittaker. 2016. Biogeography: Biological Diversity Across Space and Time. 5th ed. Sunderland, MA: Sinauer Associates.
C. Cox, C. Barry, Peter D. Moore, and Richard J. Ladle. 2016. Biogeography: An Ecological and Evolutionary Approach. 9th ed. Hoboken, NJ: Wiley-Blackwell.
D. Grime, J. Philip. 2002. Plant Strategies, Vegetation Processes. 2nd ed. Chichester, UK: Wiley.

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