Module designation	Marine Biology
Semester(s) in which the module is taught	Even/4th
Person responsible for the module	Rio Christy Handziko, M.Pd. and Rahmania Pamungkas, M.Pd.
Language	Indonesia Language
Relation to curriculum	Compulsory
Teaching methods	Lecture, lesson, project, seminar
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	Ecology
Module objectives/intended learning outcomes	PLO-1 PLO- 2 PLO- 3 PLO- 5 PLO- 6 PLO- 7 PLO- 8 PLO- 9 PLO- 11
Content	This course develops scientific and analytical skills in the estuarine and marine ecology ecosystems through discussion, observation, and presentation.
Examination forms	Presence, task, mid semester exam, final semester exam, case study, team based project.

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<td>Study and examination requirements</td>
<td>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>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 Based 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. Amran, M.A. and R.A. Rappe. 2009. Estimation of Seagrass Coverage by Depth Invariant Indices on Quickbird Imagery. Research Report DIPA Biotrop 2009.
B. Bengen,D.G.2001. Sinopsis Ekosistem dan Sumber Daya Alam Pesisir. Pusat Kajian Sumberdaya Pesisir dan Lautan, Institut Pertanian Bogor.
C. Nontji, A. 2002. Laut Nusantara. Jakarta: Djambatan.
D. Levinton J.S. 2021. Marine Biology: Function, Biodiversity, Ecology 6th ed. Oxford University Press.
E. Alongi D.M. 2022. Tropical Marine Ecology. John Wiley & Sons Inc.
F. John W.D JR., Byron C.C., W. Michael Kemp, & Alejandro Yanez-Arancibia. 2013. Estuarine Ecology 2nd ed. Wiley & Sons Inc.
G. Salvanes A,G.V, Devine J., Jensen K.H., Hestetun J.T, Sjøtun K., Glenner H. 2017. Marine Ecological Field Methods. John Wiley & Sons Ltd.
H. Litumindong, F., Mamuaja C.F., Tarore D., Mandey, L.C., Paat F.J. 2023. Biologi Laut. Sukabumi: CV. Mineral Mutiara Bumi.
I. Rangkuti A.M., Cordova M.R., Rahmawati A., Yulma, Adimu H.E. 2017. Ekosistem Pesisir dan Laut Indonesia. Jakarta: Bumi Aksara.
J. SastroAtmojo S., Kutoyo M.S., Mastu L.O.K., Hidayati N., Wijayadi I., Priatna H., Hakim W.I., Muammadiya F., Dani A., Sudaryanto, & Atinirmala P. 2025. Ekologi Perairan Laut. Purbalingga: Eureka Media Aksara.
K. Latuconsina, H. 2024. Ekologi Perairan Tropis: Prinsip Dasar Pengelolaan Sumber Daya Hayati Perairan Edisi Kedua. Gadjah Mada University Press.

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