Module designation	Developmental Biology of Animals
Semester(s) in which the module is taught	odd/5th
Person responsible for the module	Suhandoyo, MS., and Rizka Apriani Putri, M.Sc.
Language	Bahasa Indonesia
Relation to curriculum	Compulsory
Teaching methods	Lecture, project, seminar, exam
Workload (incl. contact hours, self-study hours)	Total workload is 91 hours per semester are 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	Basic Biology Animal Physiology
Module objectives/intended learning outcomes	PLO-2 PLO-6 PLO-8 PLO-11
Content	This course discusses the history and the scope of animal development including variations of reproduction organs, the mechanism of gametogenesis, fertility, blastula, gastrula, differentiation, organogenesys, morphogenesys, as well as teratogenesys.
Examination forms	Presence, task, quiz, mid-semester exam, final semester exam, case study, team based project.

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<tr>
<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>45</td><td>Maximum assessment weight accumulation 50%</td></tr>
<tr><td rowspan="4"></td><td>Presence</td><td>10</td><td></td></tr>
<tr><td>Task</td><td>10</td><td></td></tr>
<tr><td>Quiz</td><td>10</td><td></td></tr>
<tr><td>Mid-semester exams</td><td>10</td><td></td></tr>
<tr><td></td><td>Final Semester Exam</td><td>5</td><td></td></tr>
<tr><td>2</td><td>Participatory</td><td>55</td><td>Maximum assessment weight accumulation 50%</td></tr>
<tr><td rowspan="3"></td><td>Case study</td><td>30</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. Jonathan M. W. Slack. 2009. Essential Developmental Biology, 2nd ed. Blackwell Publishing.
B. Barresi M.J.F., & Gilbert, S.F. 2020. Developmental Biology 12th ed. Oxford University Press Sinauer Associates.
C. Kurnianto, E. 2024. A Handbook on Science of Animal Breeding. Sidoarjo: Indomedia Pustaka.
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