Module designation	Genetics
Semester(s) in which the module is taught	Odd/3rd
Person responsible for the module	Paramita Cahyaningrum Kuswandi, M.Sc. Ph.D.
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 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	The Foundation of Biology
Module objectives/intended learning outcomes	PLO-1, PLO-2, PLO-3, PLO-4, PLO-5, PLO-6, PLO-7, PLO-8, PLO-9, PLO-10, PLO-11
Content	This course discusses the concept of gene, chromosome theory, patterns of inheritance, the structure and characteristics of genes as well as the application.
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>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>Quiz</td><td>5</td><td></td></tr>
<tr><td>Mid-semester exams</td><td>15</td><td></td></tr>
<tr><td></td><td>Final Semester Exam</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 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>
<td>
A. Brooker, R. J., 2021, Genetics, Analysis & Principle, McGraw-Hill Higher Education, Boston.
B. Hart, D.L. and B.J.Cochrane. 2019. Genetics : Analysis of genes and genomes. Jones and Bartlett Learning. Burlington.
C. Klug, W.S., M. R. Cummings, C. A. Spencer, 2019, Concepts of Genetics, Pearson Education international, London.
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