Module designation	Evolution
Semester(s) in which the module is taught	Odd/5th
Person responsible for the module	Paramita Cahyaningrum Kuswandi, Ph.D. and Ahmad Kamal Sudrajat, M.Pd.
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	- Invertebrate Biology - Vertebrate Biology - Plant Systematics
Module objectives/intended learning outcomes	PLO-1 PLO-2 PLO-3 PLO-4 PLO-6 PLO-8 PLO-11
Content	In this course, students learn the notions, the concepts of the theory of evolution and the development of theories from PreDarwin to Post Darwinism. Variations of living things as raw materials for evolution, phylogeny, species and speciation are materials whose discussion is inseparable from the mechanism of evolution in a holistic manner. As a supporting fact to better understand the evolution of living things, evolutionary clues are also discussed. The evolution of invertebrates, plant evolution, primate evolution and Humans is material that is associated with discussions of technological developments. To broaden the horizons of students, it is also necessary to discuss the pros and cons of the theory of evolution.
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>10</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>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>
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A. Darwin, Charles, 2007. Penerjemah : Tim UNAS. The origin of Species – Asal-usul Spesies. Jakarta : Yayasan Obor Indonesia.
B. Etty Indriati. (2009). Warisan Budaya dan Manusia Purba Indonesia “Sangiran” Yogyakarta : PT Citra Aji Parama.
C. Futuyma, Douglas J. 2005. Evolution. Massachusetts, USA : Sinauer Associates, Inc Publisher.
D. Freeman, Scott and Jon C.Herron. 2013. Evolutionary Analysis, 5 Edition, Pearson Education International.
E. Harari, Y.N. 2014. Sapiens: A Brief History of Humankind. HarperCollins Publisher.
F. Roberts, A. 2018. Evolution: The Human Story, 2nd Edition. DK Publisher

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