Module Descriptions

Module designation	Conservation of Natural Resources and Environment
Course Code	8420502138
Semester/Term	2nd semester
Person responsible for the module	Prof. Dr. Fida Rachmadiarti, M.Kes Dra. Winarsih, M.Kes. Dr. Tarzan Purnomo, M.Si. Prof.Dr. Yuni Sri Rahayu, M.Si. Reni Ambarwati, S.Si., M.Sc. Dr. Ulfi Faizah, S.Pd., M.Si. Elma Sakinatus Sajidah, S.Si., M.Si. Farah Aisyah Nafidiastri, S.Si., M.Si
Language	Bahasa Indonesia (Indonesian language)
Relation to curriculum	Compulsory Course
Teaching methods	Lecture
Workload	Contact hours: 2 x 50 minutes lectures, Private study: 2 x 60 minutes structured activity, and 2 x 60 minutes individual activity per week Total 79.33 hours per semester ~ 3.18 ECTS**
Credit Point	2 CUs (3.18 ECTS)
Required and recommended prerequisites for joining the module	General Biology
Module Objectives/intended learning outcomes	1. Able to demonstrate biological knowledge in molecular, cell, and organism level and interaction with their environment. *(Knowledge)* 2. Able to demonstrate application skills of biological concept and environmental issues with relevant technologies in the management of natural resources and environment. *(Knowledge)* 3. Able to design and perform experiments in biology learning to collect, analyze, and interpret data to solve various issues. *(Special Competence)* 4. Able to design problem-solving methods by implementing transferable skills in biology to develop ecopreneurship

<table>
<tr><td></td><td>(ecoinnovation, eco-opportunity, eco-commitment). (Special Competence)
5. Able to communicate ideas, opinions, and results of study effectively, both orally and in writing. (General Competence)</td></tr>
<tr><td>Content</td><td>This course discusses 1) The scope of conservation which includes: Definition, objectives, benefits, and efforts to conserve natural resources and the environment; 2) Environmental ethics which includes: Definition, Paradigm, and Environmental Ethical Principles; 3) Natural resources which include: Definition, Types, and benefits of Natural Resources; 4) Local wisdom which includes: Definition, approach, challenges and local wisdom in people's lives in the future; 5) Management and problems of natural resources and the environment which include: issues, problems, and management of natural resources and the environment; 6) Awareness of conservation which includes awareness of the importance of conserving natural resources and the environment, and eco campus and a conservation campus; 7) Regulation of the natural resources and the environment. Lecture activities are carried out in a student center with discussions, observations, project assignments, and presentations by developing ecopreneurship characteristics</td></tr>
<tr><td>Study and examination requirements and forms of examination</td><td>Study Requirement

Attendance: students must attend at least 75% of the lectures to be eligible for the final examination.

Study examination

The final grade (NA) is calculated based on the following ratio:

<table>
<tr><th>Assessment Components</th><th>Percentage of contribution</th></tr>
<tr><td>Participation</td><td>20%</td></tr>
<tr><td>Assignment</td><td>30%</td></tr>
<tr><td>Mid-semester test</td><td>20%</td></tr>
<tr><td>Final semester test</td><td>30%</td></tr>
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<td>Grade conversion of 0-100 scale into 0-4 scale is set as below:
<table>
<tr><th>Letter</th><th>Number</th><th>Grade Interval</th></tr>
<tr><td>A</td><td>4,00</td><td>85 ≤ A ≤ 100</td></tr>
<tr><td>A-</td><td>3,75</td><td>80 ≤ A- < 85</td></tr>
<tr><td>B+</td><td>3,50</td><td>75 ≤ B+ < 80</td></tr>
<tr><td>B</td><td>3,00</td><td>70 ≤ B < 75</td></tr>
<tr><td>B-</td><td>2,75</td><td>65 ≤ B- < 70</td></tr>
<tr><td>C+</td><td>2,50</td><td>60 ≤ C+ < 65</td></tr>
<tr><td>C</td><td>2,00</td><td>55 ≤ C < 60</td></tr>
<tr><td>D</td><td>1,00</td><td>40 ≤ D < 55</td></tr>
<tr><td>E</td><td>0,00</td><td>0 ≤ E < 40</td></tr>
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<td>Reading List</td>
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1. Bicker, A., Sillitoe, P., & Pottier, J. 2004. Development and Local Knowledge (New approaches to issues in natural resources management, conservation and agriculture). New York: Routledge.
2. Faizah, U., Rachmadiarti, F., Kuntjoro, S., & Prastiwi, M. 2017. Buku Ajar Mahasiswa Konservasi Sumber Daya Alam dan Lingkungan. Surabaya: Airlangga University Press.
3. Cluras, D. D. and Reganold, J.P. 2010. Natural Resources Conservation Future. Washington: Washington State University.
4. T. Burt & D. Thompson. (2020). Ecology, Biodiversity and Conservation. In T. Burt & D. Thompson (Eds.), Curious about Nature: A Passion for Fieldwork (Ecology, Biodiversity and Conservation, pp. Ii-Iv). Cambridge: Cambridge University Press.
5. Van Dyke, F. 1993. Conservation Biology. Boston: University of Arkansas, Inc.
6. Sanggetha, J., Thangadurai, D., Goh, H.C., & Islam, S. 2019. Biodiversity and Conservation (Characterization and Utilization of Plants, Microbes, and Natural Resources for Sustainable Development and Ecosystem Management). Canada: Apple Academic Press, Inc.

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