

## MODULE HANDBOOK

Module Name	<b>General Biology</b>
Module Level	Bachelor
Abbreviation, if applicable	
Sub-heading, if applicable	-
Course included in the module, if applicable	-
Semester/term	1st/First year
Modul coordinator(s)	Dr. Yuliani, M.Si
Lecturer(s)	Team
Language	Bahasa Indonesia
Classification within the curriculum	Compulsory
Teaching format/class hours per week during the semester	2 hours lectures (50 min / hour)
Workload	1 CU for bachelor degree equals to 3 workhours per week or 170 minutes (50' face to face learning, 60' structured learning, and 60' independent learning). In one semester, courses are conducted in 14 weeks (excluding mid and end-term exam). Thus, 1 CU equals to 39.67 workhours per semester. One CU equals to 1.59 ECTS.
Credit point	2 CU = 2 x 1.59 = 3.18 ECTS
Requirement	-
Study/exam achievements	Students are considered to be competent and pass if at least gets core 68 Final score is calculated as follows: 20% participation, 30 assignment + 20% mid test + 30% final test
Targeted learning outcomes:	Knowledge:1.Mastering basic biology concepts and their applications.  Skill:2.Have the skills to apply Basic Biology concepts and principles in everyday life responsibly.  Competence:3.Work as an individual as well as a team effectively, have an entrepreneur skills, and awareness of environmental issues
Content:	Understand the basic concepts of biology as the science, structure and function of cells, cell division, metabolism which includes transport, photosynthesis and respiration, genetics, diversity of living things, evolution, structure of plant and animal organ tissue functions, ecology, animal behavior, biotechnology, and practicing solving problems through scientific methods. Basic Biology

	<p>studies are accompanied by a variety of process skills that are used to solve problems in the field of Biology and its applications. This subject is presented through material explanation, giving examples, problem solving, and assignments</p>
Study / exam achievements:	<p>Students are considered to be competent and pass if at least get 55. Final score is calculated as follows: 20% participation + 30% assignment + 20% middle exam (UTS) &amp; 30% final exam (UAS)</p> <p>Table index of graduation:</p> <ul style="list-style-type: none"> <li>• A = 4 (85 ≤ - &lt; 100)</li> <li>• A- = 3,75 (80 ≤ - &lt; 85)</li> <li>• B+ = 3,5 (75 ≤ - &lt; 80)</li> <li>• B = 3 (70 ≤ - &lt; 75)</li> <li>• B- = 2,75 (65 ≤ - &lt; 75)</li> <li>• C+ = 2,5 (60 ≤ - &lt; 65)</li> <li>• C = 2 (55 ≤ - &lt; 60)</li> <li>• D = 1 (40 ≤ - &lt; 55)</li> <li>• E = 0 (0 ≤ - &lt; 40)</li> </ul>
Media:	Handbook and PPT
Learning Methods	Individuals assignment, group assignment, discussion, and presentation
Literature:	<p>1. Campbell, Neil A, Jane B. Reece dan Lawrence G. Mitchell. 2010. Biologi. 8th ed. California: Benjamin Cummings.</p> <p>2. Kimball, J.W. 2005. Biologi Jilid I, II, III. 5th ed. (Siti Soetarmi &amp; N. Sugiri Trans). Jakarta: Penerbit Erlangga.</p> <p>3. Rachmadiarti, F., Yuliani, Widowati B., Rinie P, Mahanani T.A, Dyah H., Herlina F. 2018. Biologi Umum. Surabaya: UNESA Press.</p> <p>4. Luria. 1981. A View of Life. California: Benjamin Cumming</p>