

## MODULE HANDBOOK

Module Name	General Biology
Module Level	Bachelor
Abbreviation, if applicable	8420403039
Sub-heading, if applicable	-
Course included in the module, if applicable	-
Semester/term	1 <sup>st</sup> /First year
Modul coordinator(s)	Dr. Yuliani, M.Si
Lecturer(s)	Team
Language	Bahasa Indonesia
Classification within the curriculum	Compulsory course
Teaching format/class hours per week during the semester	3 hours lectures (50 min / hour)
Workload	3 x 50 minutes lectures, 3 x 60 minutes structured activity, 3 x 60 minutes individual activity, 14 weeks per semester, 119 total hours per semester ~ 4.77 ECTS**
Credit point	3 CU = 3 x 1.59 = 4.77 ECTS
Prerequisite course(s)	-
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 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										
Study / exam achievements:	Students are considered to complete the course and pass if they obtain at least 40% of maximum final grade. The final grade (NA) is calculated based on the following ratio: <table border="1" data-bbox="649 430 1445 672"> <thead> <tr> <th>Assessment Components</th> <th>Percentage of contribution</th> </tr> </thead> <tbody> <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> </tbody> </table>	Assessment Components	Percentage of contribution	Participation	20%	Assignment	30%	Mid-semester test	20%	Final semester test	30%
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Media:	Handbook and PPT										
Learning Methods	Individuals assignment, group assignment, discussion, and presentation										
Literature:	<ol style="list-style-type: none"> <li>1. Campbell, Neil A, Jane B. Reece dan Lawrence G.Mitchell.2010 Biologi. 8<sup>th</sup> ed. California: Benjamin Cummings.</li> <li>2. Kimball, J.W. 2005. Biologi Jilid I, II, III. 5<sup>th</sup> ed. (Siti Soetarmi &amp;N.Sugiri Trans). Jakarta: Penerbit Erlangga.</li> <li>3. Rachmadiarti, F., Yuliani, Widowati B., Rinie P, Mahanani T.A, Dyah H.,Herlina F.2018.Biologi Umum. Surabaya: UNESA Press.</li> <li>4. Luria. 1981.A View of Life. California: Benjamin Cumming</li> </ol>										
Notes:	<p>*1 CU in learning process = three periods consist of: (a) scheduled instruction in a classroom or laboratory (50 minutes); (b) structured activity (60 minutes); and (c) individual activity (60 minutes) according to the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 44 Year 2015 jo. the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 50 Year 2018.</p> <p>**1 CU = 1,59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/Un38/Hk/Ak/2019</p>										