MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY
UNIVERSITAS NEGERI SURABAYA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF CHEMISTRY
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MODULE HANDBOOK

Module Name:	General Biology
Module Level:	Bachelor
Course Code:	8420403039
Abbreviation, 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 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 unit:	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

<table>
<tr><td></td><td>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</td></tr>
<tr><td>Study / exam achievements:</td><td>The final grade (NA) is calculated based on the following ratio:
<table>
<tr><td>Assessment Components</td><td>Percentage of contribution</td></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>
</table>
Grade conversion of 0-100 scale into 0-4 scale is set as below:
<table>
<tr><td>Letter</td><td>Number</td><td>Grade Interval</td></tr>
<tr><td>A</td><td>4,00</td><td>$85 \leq A \leq 100$</td></tr>
<tr><td>A-</td><td>3,75</td><td>$80 \leq A- < 85$</td></tr>
<tr><td>B+</td><td>3,50</td><td>$75 \leq B+ < 80$</td></tr>
<tr><td>B</td><td>3,00</td><td>$70 \leq B < 75$</td></tr>
<tr><td>B-</td><td>2,75</td><td>$65 \leq B- < 70$</td></tr>
<tr><td>C+</td><td>2,50</td><td>$60 \leq C+ < 65$</td></tr>
<tr><td>C</td><td>2,00</td><td>$55 \leq C < 60$</td></tr>
<tr><td>D</td><td>1,00</td><td>$40 \leq D < 55$</td></tr>
<tr><td>E</td><td>0,00</td><td>$0 \leq E < 40$</td></tr>
</table></td></tr>
<tr><td>Media:</td><td>Handbook and PPT</td></tr>
<tr><td>Learning Methods:</td><td>Individuals assignment, group assignment, discussion, and presentation</td></tr>
<tr><td>Literature:</td><td>1. Campbell, Neil A, Jane B. Reece dan Lawrence G.Mitchell.2010 Biologi. 8th ed. California: Benjamin Cummings.
2. Kimball, J.W. 2005. Biologi Jilid I, II, III. 5th ed. (Siti Soetarmi &N.Sugiri Trans). Jakarta: Penerbit Erlangga.
3. Rachmadiarti, F., Yuliani, Widowati B., Rinie P, Mahanani T.A, Dyah H.,Herlina F.2018.Biologi Umum. Surabaya: UNESA Press.
4. Luria. 1981.A View of Life. California: Benjamin Cumming</td></tr>
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Notes:	*1 credit unit or *sks* 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.
	**1 credit unit or *sks* = 1.59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2019