

MODULE HANDBOOK

Module Name:	General Biology
Module Level:	Sarjana (S-1) / Bachelor
Abbreviation, if applicable:	8420203036
Sub-heading, if applicable:	-
Course included in the module, if applicable:	-
Semester/term:	1/ First year
Module Coordinator(s):	Dr. Yuliani, M.Si
Lecturer(s):	Team
Language:	Indonesia
Classification within the curriculum:	Compulsory course/ elective studies
Teaching format/class hours per week during the semester	Teaching format: lectures, tutorial assignment, and individual study. 3 x 170 minutes = 510 minutes = 8.5 hours lectures
Workload:	<p>15 weeks per semester consisting of:</p> <ul style="list-style-type: none"> ➤ 2.5 hours lectures (3 x 50 minutes) per week, ➤ 3 hours tutorial assignments (3 x 60 minutes) per week, ➤ 3 hours individual study (3 x 60 minutes) per week, <p>Total workload : 14x3x170 minutes = 7,140 minutes = 4.76 ECTS*</p>
Credit Point:	3
Requirements:	-
Learning Goals:	<p>Knowledge</p> <p>CLO-1 Able to understand and implement basic concepts of biology to solve related problems</p> <p>Competency</p>

	<p>CLO-2 Able to explain experimental results, and the use of basic biology concepts in the discussion of solving related problems, both orally and in writing.</p> <p>Social and Attitude</p> <p>CLO-3 Able to develop and apply scientific, logical, critical, and innovative thinking in presenting alternative solutions for solving problems related to the basic concepts of biology.</p>									
<p>Content:</p>	<p>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.</p>									
<p>Study/exam achievements</p>	<ul style="list-style-type: none"> ➤ Students are considered competent and pass if the final score calculated from the score of midterm exam, assignments, participation, and final exam is at least 55 or C. ➤ Final score is calculated as follows: ➤ 20% midterm exam + 30% assignments + 20% participation + 30% final exam ➤ Final index is defined as follow: <table border="1" data-bbox="699 1696 1344 1866"> <thead> <tr> <th>Index</th> <th>Converted Score</th> <th>Score Range</th> </tr> </thead> <tbody> <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> </tbody> </table>	Index	Converted Score	Score Range	A	4.00	$85 \leq A \leq 100$	A-	3.75	$80 \leq A- < 85$
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A	4.00	$85 \leq A \leq 100$								
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		B+	3.50	$75 \leq B+ < 80$
		B	3.00	$70 \leq B < 75$
		B-	2.75	$65 \leq B- < 70$
		C+	2.50	$60 \leq C+ < 65$
		C	2.00	$55 \leq C < 60$
		D	1.00	$40 \leq D < 55$
		E	0.00	$0 \leq E < 40$
Forms of Media	Slides and LCD projectors, whiteboard			
Literature	<ol style="list-style-type: none"> 1. Campbell, Neil A, Jane B.Reece dan Lawrence G.Mitchell.2010 2. Biologi. 8th ed. California: Benjamin Cummings. 3. Kimball, J.W. 2005. Biologi Jilid I, II, III. 5th ed. (Siti Soetarmi & 4. N.Sugiri Trans). Jakarta: Penerbit Erlangga. 5. Rachmadiarti, F.,Yuliani, Widowati B., Rinie P, Mahanani T.A, Dyah 6. H.,Herlina F.2018. Biologi Umum. Surabaya: UNESA Press. 7. Luria. 1981. A View of Life. California: Benjamin Cumming. 			
Note	<p>*Total hours per 1 credit in 1 semester={ (1 credit x 170 minutes x 14 weeks)/60 minutes}=39.67 hours.</p> <p>Each ECTS equals with 25 hours therefore 1 credit in 1 semester equals 1.59 ECTS.</p>			