

UNIVERSITAS NEGERI YOGYAKARTA

FACULTY OF MATHEMATICS AND SCIENCE DEPARTMENT OF BIOLOGY EDUCATION

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Bachelor of Science in Biology

MODULE HANDBOOK

Module name:	Laboratory Work Limnology
Module level,if applicable:	Undergraduate
Code:	BIO 6136
Sub-heading,if applicable:	-
Classes,if applicable:	-
Semester:	Even
Module coordinator:	Triatmanto, M.Si
Lecturer(s):	
Language:	Bahasa Indonesia
Classification within the curriculum:	Elective course
Teaching format / class hours per week during the semester:	100 minutes lectures, 120 minutes structured activities, and 120 minutes individual studyper week
Workload:	Total workload is 91 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week for 16 weeks.
Creditpoints:	1 SKS (3 ECTS)
Prerequisites course(s):	Ecology
Perogram Learning Outcomes:	 Comprehensively mastering Biology (core biology) to solve problems in the field of Biology (problem-solving) and to underlie the concepts of related sciences Mastering the techniques and methodologies in Biology as well as familiar with the equipment used in Biology laboratories in order to get the knowledge of Biology (how we know what we know) Being adaptive, creative, innovative in applying the concepts of Biology and other related fields Being skillful in applying the techniques used in laboratories and daily life Being able to work and create jobs/being an entrepreneur in the field of Biology Having managerial ability to supervise and evaluate workers

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	and optimizing the networks in order to develop professionalism							
	11. Possessing scientific skills to support the ability to speak in							
	local, national, and international forums After taking this course, the students have ability to:							
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Course Outcomes		, ,	he biotic factors in					
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			gh discussion, ob		resentation	1		
	The final mark will be weight as follow:							
	N	CO	Assessment	Assessment	Weight	1		
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Study/exam	1	1 to 5	Attitudes ,	Survey,	100%			
achievements:		. 10 0	knolwedge,	test,	10070			
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				manuals.				
				portofolio				
				Total	100%			
Forms of media:	Real objects, model, multimedia							
	A. Barus, T.A. 2002. <i>Pengantar Limnologi</i> . Jurusan B							
	FMIPA Universitas Sumatera Utara, Medan							
	B. Goldman, C.R. and Alexander, J.H. 1983. <i>Limnology</i> .							
	McGraw-Hill Book Company, Japan C. Krebs, J.C., 1978. Ecology. <i>The Experimental Analysis of</i>							
	Distribution and Abundance. Harper and Row							
Reference:	Publisher, London.							
	D. Sachlan, M., 1982. <i>Planktonologi</i> . Fakultas Peternakan dan							
	Perikanan UNDIP, Semarang: pp. 1 -101							
	E. URL:ttp://www.epa.gov/owow/watershed/wacademy/acad20							
	00/ecology/r13.html							
	23,000.09,,							

PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11
CO1				✓	✓	✓	✓		✓	✓	✓
CO2				✓	✓	✓	✓		✓	✓	✓
CO3				✓	✓	✓	✓		✓	✓	✓
CO4				✓	✓	✓	✓		✓	✓	✓
CO5				✓	✓	✓	✓		✓	✓	✓