

## Marine Ecology

Module name		Marine Ecology					
Module level		3 <sup>rd</sup> year of Bachelor program					
Abbreviation, if applicable		-					
Sub-heading, if applicable		-					
Courses included in the module, if applicable		BI3108 Marine Ecology					
Semester/term		5 <sup>th</sup> Semester					
Module coordinator(s)		Dr. Devi Nandita Choesin					
Lecturer(s)		Dr. Devi Nandita Choesin					
Language		Indonesian					
Classification within the Curriculum		Elective courses for Bachelor Program in Biology					
Teaching format/ class hours per week during the semester		Lecture (face to face teaching): 2 hours x 14 weeks Practical class: 5 hours x 14 weeks					
Workload	Total Workload	176 hours; 3(1) CU					
		Face to face teaching	Structured Activities	Independent study	Exam	Total	
	Lecture	28	32	32	4	96	
	Practical class	42		4	2	48	
					144		
Credit points		<i>Marine Ecology (3(1) Credits)</i>					
Requirements		-					
Content		<ul style="list-style-type: none"> <li>- Marine ecology studied through key concepts and processes</li> <li>- Primary productivity</li> <li>- Microbial production and organic matter decomposition</li> <li>- Variability of systems (estuarine, continental shelf etc.)</li> <li>- Biodiversity and human impact.</li> </ul>					
Learning goals/competencies		Student are able to <ol style="list-style-type: none"> <li>1. Understand important ecological process in ocean</li> <li>2. Identify and differentiate ocean and coastal system</li> <li>3. Explain human activity impact on ecology</li> </ol>					
Study/exam achievements		Midterm exam	Final exam	Quizzes	Assignments and Laboratory reports	Field Works	Total
		30%	30%	5%	20%	15%	100%
Forms of media		<i>Classical teaching tools:</i>		<i>White board, power point presentation</i>			
		<i>Digital teaching tools:</i>		<i>Video/CD, Website</i>			
Literature		<ol style="list-style-type: none"> <li>1. Kaiser, M.J., M.J. Attrill, S. Jennings, D.N. Thomas &amp; D.K.A. Barnes. <i>Marine Ecology: Processes, Systems, and Impacts</i>. Second Edition. Oxford University Press. 2011 (Pustaka utama).</li> <li>2. M.R. Speight &amp; P.A. Henderson. <i>Marine Ecology: Concepts and Applications</i>. Wiley-Blackwell. 2010 (Pustaka pendukung).</li> <li>3. Castro, P. &amp; M.E. Huber. <i>Marine Biology</i>. 9th. Edition. McGraw-Hill. 2013 (Pustaka pendukung).</li> </ol>					