



Universitas Gadjah Mada
 Faculty of Agriculture
 Department of Fisheries

Course Syllabus

Course Code	Course Name	Credits	Semester	Course Status	Requirement
PIA 20191151	Marine Biology	2	3 rd	Compulsory	-
Learning Outcome	1	Students can understand the scope of marine biology, marine primary productivity and its role to support human live			
	2	Students can understand the physical and chemical parameter of sea and its impact to fish live			
	3	Students can understand the ecotype on the sea (including coastal area, sea, sea bottom, coral reef, mangrove etc.)			
Course Description	The Marine Biology course is a basic course taken by students in semester 3. This course activity consists of lectures, discussions, and other assignments. This course begins with studying the meaning of Marine Biology and its scope. Furthermore, the understanding of the properties and character of water is studied, its role in maintaining the survival of organisms. The next topics studied are the seabed, basic concepts in Marine Biology and various kinds of marine ecotypes that have specific ecosystems				
Course Content	<ol style="list-style-type: none"> 1. Introduction and History of Marine Biology 2. Physical and Chemical Properties of Water 3. Sea Floor 4. Ocean Physical Properties 5. Ocean Zonation and Organism 6. Primary Productivity 7. Intertidal Ecosystem 8. Mangrove Ecosystem 9. Estuarine Ecosystem 10. Seagrass Ecosystem 11. Seaweed Ecosystem 12. Coral Reef Ecosystem 13. Ecosystem Sub-Tidal 14. Deep Sea Ecosystem 				
Reference	<ol style="list-style-type: none"> 1. Tomascik, T., A.J. Mah, A. Nontji, M.K. Moosa. 1997. The Ecology of the Indonesian Seas. Part Two. Periplus Edition. 2. Castro, P., M.E. Huber. 2003. Marine Biology. Fourth Edition. McGraw-Hill. Boston 				

Lecturer	<ol style="list-style-type: none"><li data-bbox="409 110 882 142">1. Dr. Dini Wahyu Kartika Sari, S.Pi., M.Si.<li data-bbox="409 167 674 199">2. Dr. Ir. Triyanto, M.Si.
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