


MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE D10D-601027
Module designation	Marine Ecology	
Semester(s) in which the module is taught	6	
Person(s) responsible for the module	1. Dr. Rer.nat. Tri Dewi K. Pribadi S.Pi, M.Si 2. Dr. Budi Irawan	
Medium of instruction	Indonesian	
Relation to curriculum	Elective course	
Teaching methods	Lectures, discussions, cooperative learning, and inquiry learning	
Workload	Total workload : 5440 minutes = 90.67 hours Lectures, discussions, cooperative learning, and inquiry learning : 2 x 50 minutes x 16 weeks = 1600 minutes = 26.67 hours Exercises : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours Self-study : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours	
Credit points	2,00 (3,62 ECTS)	
Required and recommended prerequisites for joining the module	Basic biology	
Module objectives/intended learning outcomes	1. Students are able to understand concepts about the marine environment 2. Students are able to understand the concepts about the processes (dynamics) that occur in the marine environment. 3. Students are able to understand concepts about life in the sea 4. Students are able to understand concepts about marine biology research methodology 5. Students are able to understand the concepts about the utilization/management of marine resources.	
Contents	This course describes the grouping of marine biota and the nature of life of various groups of marine biota as well as its ecological aspects such as water area zoning, eating-feeding relationships, and other related matters. Utilization of marine biota is discussed as one manifestation of the relationship between humans and marine biota. This course also discusses several research methodologies in marine biology. Marine biotechnology is briefly discussed as an overview of the rapid advances in the field of marine biology and the current advances in the utilization of marine biota.	
Examination forms	Quiz, midterm exam, assignment, and final exam	
Study and examination requirements	The minimum attendance in lectures is 80%. Final grades are evaluated based on Quizzes (20%), Assignments (20%), midterm exam (30%), and final exam (30%).	
Reading lists	1. Romimohtarto, Kasijan dan Sri Juwana, 2001. Biologi Laut: Ilmu Pengetahuan tentang Biota Laut. hoursbatan, Jakarta. 2. Nybakken, J.W., 1992. Biologi Laut: Suatu Pendekatan Ekologis Gramedia, Jakarta. 3. Nontji, A., 2007. Laut Nusantara. Dhoursbatan, Jakarta. 4. English, S., C. Wilkinson, and V. Baker., 1994., Survey Manual for Tropical Marine Resources. Australian Institute of Marine Science, Townsville. 5. Kumpulan Peraturan Pengendalian Kerusakan Pesisir dan Laut. Deputi Bidang Peningkatan Konservasi Sumberdaya Alam dan Pengendalian Kerusakan Lingkungan Kementerian Lingkungan Hidup.	