


MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE: D10D-2001
Module designation	General Ecology	
Semester in which the module is taught	2	
Persons responsible for the module	<ol style="list-style-type: none"> 1. Dr. Keukeu Kaniawati Rosada 2. Dr. Susanti Withaningsih 3. Nurullia Fitriani, S.Si, MT 4. Dr. Indri Wulandari 	
Medium of instruction	Indonesian	
Relation to curriculum	Compulsory course	
Teaching methods	Lectures and discussions	
Workload	<p>Total workload : 5440 minutes = 90.67 hours</p> <p>Lecture and discussion : 2 x 50 minutes x 16 weeks = 1600 minutes = 26.67 hours</p> <p>Exercises : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours</p> <p>Self-study : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours</p>	
Credit points	2.00 (3.62 ECTS)	
Required and recommended prerequisites for joining the module	Basic biology	
Module objectives/intended learning outcomes	<ol style="list-style-type: none"> 1. Able to explain the ecological spectrum and population concept 2. Able to explain the concept of niches and habitats 3. Able to explain the concept of systems in ecology 4. Able to explain the concept of community 5. Able to explain the types of ecosystems and biomes 6. Able to explain issues in ecology 	
Contents	The General Ecology course explains the basic principles of ecology in ecosystems and the environment, ecological spectrum, ecological systems, environmental factors in ecosystems, matter and energy, adaptation, ecosystem stability, niches, succession, carrying capacity, and ecosystem types.	
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 quiz (25%), midterm exam (25%), assignment (25%), and final exam (25%)	
Reading lists	<ol style="list-style-type: none"> 1. Dash, M. C., & Dash, S. P. (2009): Fundamentals of Ecology (3rd ed.), Tata McGraw-Hill Education Private Limited, New Delhi. 2. M. Begon, R.W. Howarth & C.R. Townsend (2014): Essentials of Ecology (4th ed). 3. Odum, E. P. (1971): Fundamentals of ecology (3rd ed.), W.B. Saunders Company, Philadelphia. 4. Urry, L.A., Cain, M.L., Wasserman, S.A., Mihalorsky, P.V. dan Reece, J.B. (2016). Campbell Biology, 11th edition. Pearson. New york 	