


MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE: D10D- 4006
Module designation	Terrestrial Ecology	
Semester in which the module is taught	4	
Persons responsible for the module	1. Prof. Parikesit, Ph.D 2. Dr. Teguh Husodo, MS 3. Drs. Tatang Hermawan, M.I.L 4. Dr. Susanti Withaningsih, M.Si 5. Nurullia Fitriani, S.Si, MT 6. Indri Wulandari., S. Si, M.I.L	
Medium of instruction	Indonesian	
Relation to curriculum	Compulsory course	
Teaching methods	Lectures, Discussions, and Collaborative learning	
Workload	Total workload : 8160 minutes = 136 hours Lectures, Discussions, and Collaborative learning : 3 x 50 minutes x 16 weeks = 2400 minutes = 40 hours Exercises : 3 x 60 minutes x 16 weeks = 2880 minutes = 48 hours Self-study : 3 x 60 minutes x 16 weeks = 2880 minutes = 48 hours	
Credit points	3.00 (5.43 ECTS)	
Required and recommended prerequisites for joining the module	General ecology	
Module objectives/intended learning outcomes	1. Students can understand the basic concepts of terrestrial ecology 2. Students can understand the environmental factors that affect terrestrial ecosystems 3. Students can understand the basic concepts of terrestrial plant ecology 4. Students can understand the concept of terrestrial plant community 5. Students can understand plant succession 6. Students can understand the scientific approach to scientific ecology 7. Students can understand the concept of built ecology in terrestrial ecosystems 8. Students can understand the types and characteristics of human development 9. Students can understand the dynamics of changes in vegetation cover in artificial ecosystems 10. Students can understand the basic concepts of terrestrial animal ecology 11. Students can understand the concept of animal population 12. Students can understand the concept of the animal community 13. Students can understand the concept of animal succession development	
Contents	Terrestrial ecology courses learn about the basic concepts of terrestrial ecology including concepts in plant ecology and animal ecology which include the concepts of population, community, succession, and characteristics of human-built terrestrial ecology.	
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 (20%), midterm exam (30%), assignment (20%), and final exam (30%)	
Reading lists	1. Odum, E dan Barrett, G.W. 2017. Fundamentals of Ecology. 5th Edition. Thompson. US 2. Chapin, F.S. , Matson, P.A., Vitousek, P. 2012. Principles of Terrestrial Ecosystem Ecology. Springer 3. Schulze, E., Beck, E., Müller-Hohenstein, K., Lawlor, D. dan Lawlor, G. 2005. Plant Ecology. Springer 4. Potter, T.D dan Colman, B.R. 2003. Handbook Of Weather, Climate, And Water : Dynamics, Climate,Physical Meteorology, Weather Systems, and Measurements. John Wiley and Sons. Canada 5. Budhu, M. 2011. Soil Mechanics And Foundations. John Wiley and Sons. Canada 6. Utomo, M. 2016. Ilmu Tanah Dasar-Dasar dan Pengelolaan. Kencana. Jakarta 7. Allaby, M. 2010. ECOLOGY: Plants, Animals, and the Environment. Facts On File, Inc.New York	

