MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN **FACULTY OF MATHEMATICS AND NATURAL SCIENCES** **BACHELOR OF BIOLOGY PROGRAMME**	**COURSE CODE :** **D10D-4007**
Module designation	Terrestrial Ecology Practicum	
Semester in which the module is taught	4	
Persons responsible for the module	1. Prof. Parikesit, M,Sc., Ph.D 2. Dr. Teguh Husodo, M.Si 3. Dr. Susanti Withaningsih, M.Si 4. Tatang S. Erawan, M.I.L 5. Nurullia Fitriani, MT 6. Indri Wulandari, M.I.L	
Medium of instruction	Indonesian	
Relation to curriculum	Compulsory course	
Teaching methods	Practice, Student-Centered Learning, Project-based Learning, Collaborative Learning	
Workload	Total workload : 2720 minute = 45.33 hour Practice : 1 x 170 minute x 16 week = 2720 minute = 45.33 hour Exercises : - Self-study : -	
Credit points	1.00 (1.81 ECTS)	
Required and recommended prerequisites for joining the module	General ecology	
Module objectives/intended learning outcomes	1. Able to explain the importance of safety and ethical teamwork 2. Able to map study locations and habitat profiles where organisms live 3. Able to perform abiotic measurements with the appropriate tools 4. Able to apply methods of vegetation analysis and plant community structure 5. Able to apply methods and analysis of animal community structure 6. Able to investigate ecological issues based on practical results and compile rational, data-based ecological conclusions	
Contents	In the terrestrial ecology practicum course, students of the Biology Undergraduate Program will be taught about the tools used in measuring environmental parameters and the methods commonly used in collecting terrestrial ecology data.	
Examination forms	Quiz, Midterm exam, Assignment, and Final exam	
Study and examination requirements	The minimum attendance in lectures is 100%. Final grades are evaluated based on quiz (20%), midterm exam (30%), assignment (20%), and final exam (30%)	

Reading lists	1. Odum. 1994. Dasar-dasar Ecologi. Edisi ketiga. Yogyakarta : Gadjah Mada University Press. 2. Mueller-Dombois, D. & Ellerberg, H. 1974. *Aims & Methods of Vegetation Ecology*. New York: Wiley & Sons. 3. Ralph, C. J., Sauer, J. R., & Droege, S. *Monitoring Bird Populations by Point Counts*. Berkeley: Albany. 4. Hoffmann, A., Decher, J., Rovero, F., Schaer, J., Voigt, C., Wibbelt, G. 2010. *Field Methods and Techniques for Monitoring Mammalis. In book: Manual on Field Recording Techniques and Protocols for All Taxa Biodiversitas Inventories and Monitoring*. Abc Taxa. 5. Eekhout, X. 2010. *Sampling Reptiles and Amphibians. In book: Manual on Field Recording Techniques and Protocols for All Taxa Biodiversitas Inventories and Monitoring*. Abc Taxa. 6. Sheikh, A. H., Ganaie, G. A., Thomas, M. Bhandari, R., & Rather, Y. A. 2018. Ant Pitfall Trap Sampling: An Overview. *J. ent. Res*. Vol. 42, No. 3: 421-436 . 7. Odum, E dan Barrett, G.W. 2017. Fundamentals of Ecology. 5th Edition. Thompson. US . 8. Utomo, M. 2016. Ilmu Tanah Dasar-Dasar dan Pengelolaan. Kencana. Jakarta