


MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE : D10D-50606
Module designation	Research Methodology of Ecology	
Semester in which the module is taught	5	
Persons responsible for the module	<ol style="list-style-type: none"> 1. Prof. Parikesit, M.Si., Ph.D 2. Dr. Teguh Husodo, M.Si 3. Dr. rer. nat. Tri Dewi K. Pribadi 4. Dr. Susanti Withaningsih, M.Si 5. Dr. Keukeu Kaniawati, M.Si 6. Dr. Indri Wulandari, M.I.L 7. Nurullia Fitriani, S.Si, MT 	
Medium of instruction	Indonesian	
Relation to curriculum	Compulsory course	
Teaching methods	Lectures, discussion, collaborative learning, problem base learning	
Workload	<p>Total workload : 10880 minutes = 181.33 hours</p> <p>Lectures, discussion, collaborative learning, problem base learning : 4 x 50 minutes x 16 weeks = 3200 minutes = 53.33 hours</p> <p>Exercises : 4 x 60 minutes x 16 weeks = 3840 minutes = 64 hours</p> <p>Self-study : 4 x 60 minutes x 16 weeks = 3840 minutes = 64 hours</p>	
Credit points	4.00 (7.24 ECTS)	
Required and recommended prerequisites for joining the module	Terrestrial Ecology and Aquatic Ecology	
Module objectives/intended learning outcomes	<ol style="list-style-type: none"> 1. Students are able to explain (C2) the basic principles of ecology, ecological research methods 2. Students are able to explore/apply (C3) the potential of the field of environmental biology 3. Students are able to analyze (C4) problems related to ecology 4. Students are able to synthesize (C5) thoughts in the form of research plans and research results 	
Contents	<p>The Ecological Research Methods course is a compulsory specialization course for 5th semester students (OBE-Based 2020 Curriculum). After learning the basic concepts of terrestrial ecology and aquatic ecology, in this course, students are encouraged to conduct multidisciplinary research in the field of ecology, especially in terrestrial and aquatic ecosystems, biodiversity, and ecosystem health and sustainability. The problem-based learning method directs students to gain new knowledge by analyzing various knowledge and experiences gained from case studies in the community.</p>	
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	<ol style="list-style-type: none"> 1. Canadell <i>et al.</i> Ecological Studies: Analysis and Synthesis. Springer 2. Henderson, P.A. Practical Methods in Ecology. 2009. Wiley-Blackwell 3. Henderson, P.A. and Southwood. Ecological Methods, 4th Edition. 2016. Wiley-Blackwell 	