MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN **FACULTY OF MATHEMATICS AND NATURAL SCIENCES** **BACHELOR OF BIOLOGY PROGRAMME**	**COURSE CODE:** **D10D-50608**
Module designation	Ecotoxicology	
Semester in which the module is taught	5	
Persons responsible for the module	1. Prof. Sunardi 2. Dr. rer. nat. Tri Dewi Kusumaningrum Pribadi 3. Dr. Keukeu Kaniawati Rosada	
Medium of instruction	Indonesian	
Relation to curriculum	Compulsory course	
Teaching methods	Lectures, discussions, and	
Workload	Total workload : 5440 minutes = 90.67 hours Lecture and discussion : 2 x 50 minutes x 16 weeks = 1600 minutes = 13.33 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. Able to explain the scope of ecotoxicology 2. Able to explain toxicant pathways 3. Able to explain the sources and types of toxicants 4. Able to classify toxicant effects 5. Able to conduct acute and subchronic toxicity tests	
Contents	Ecotoxicology course discusses the scope of ecotoxicology, toxicant pathways/fate, sources and types of toxicants, toxicant classification, and has the ability to conduct acute and subchronic toxicity tests. After taking this course, students are able to analyze environmental damage starting from the transformation of toxicants to exposed organisms to the use of organisms and technology for environmental protection.	
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	1. Elliott, J.E, C.A. Bishop, and C.A. Morrissey. 2011. Wildlife Ecotoxicology. Springer. England. 2. Gagne, F. 2014. Biochemical Ecotoxicology. Elsevier. England. 3. Walker, C. 2014. Ecotoxicology: Effects of Pollutants on the Natural Environment. CRC Press. England. 4. Walker, C.H., R.M. Sibly, S.P. Hopkin, and D.B. Peakall. 2012. CRC Press. England.	