

MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE : D10D-506010
Module designation	Environmental Microbiology Practicum	
Semester in which the module is taught	5	
Persons responsible for the module	<ol style="list-style-type: none"> 1. Dr. Nia Rossiana 2. Prof. Ratu Safitri 3. Asri Peni Wulandari, Ph.D 4. Dr. Keukeu K. R 5. Dr. Mia Miranti 	
Medium of instruction	Indonesian	
Relation to curriculum	Compulsory course	
Teaching methods	Practice	
Workload	Total workload : 2720 minutes = 45.33 hours Practice : 1 x 170 minutes x 16 weeks = 2720 minutes = 45.33 hours Exercises : - Self-study : -	
Credit points	1.00 (1.81 ECTS)	
Required and recommended prerequisites for joining the module	Basic Microbiology	
Module objectives/intended learning outcomes	<ol style="list-style-type: none"> 1. Able to explain the basic principles of interaction of microorganisms with the abiotic and biotic environment and their applications. 2. Able to use software, basic instruments and standard methods for environmental microbiological analysis. 3. Able to complete tasks in groups or independently. 	
Contents	This course provides knowledge about the interaction of microorganisms with the environment including water, soil, air and extreme environmental habitats as well as the use of microorganisms in overcoming environmental problems.	
Examination forms	Practice, Quiz, Midterm exam, practicum report, and Final exam	
Study and examination requirements	The minimum attendance in lectures is 100%. Final grades are evaluated based on practice (40%), quiz (15%), midterm exam (20%), practicum report (10%), and final exam (15%)	
Reading lists	Introduction to Environmental Microbiology Publisher: Oficyna Wydawnicza Politechniki Wrocławskiej. Editor: Oficyna Wydawnicza Politechniki Wrocławskiej, ISBN: 83-7085-880-5. Barbara Kolwzan.	