

MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE: D10D-2007
Module designation	Microbiology Practicum	
Semester in which the module is taught	2	
Persons responsible for the module	<ol style="list-style-type: none"> 1. Dr. Mia Miranti Rustama 2. Prof. Ratu Safitri 3. Prof. Nia Rossiana 4. Asri Peni Wulandari, Ph.D 5. Dr. Keukeu Kaniawati Rosada 6. Febri Doni, Ph.D 7. Yolani Syaputri, Ph.D 	
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 biology	
Module objectives/intended learning outcomes	<ol style="list-style-type: none"> 1. Biosafety, Tool Introduction, Sterilization of tools and materials 2. Plate Counting Technique, Isolation and Cultivation 3. Identification (colony observation, gram staining biochemical test) 4. Resistance Test and phenol coefficient 	
Contents	This course covers knowledge of the basic practice of applying microbiology, the use of basic instruments and standard methods for the analysis of microorganisms in general and how to document, store and analyze work data and complete assignments in groups and independently.	
Examination forms	Practice, Quiz, Midterm exam, Practi, 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	<ol style="list-style-type: none"> 1. Osman Erkmen, 2021. Laboratory Practices in Microbiology 1st Edition. Elsevier. 292 halaman 2. hourses G. Cappuccino and Natalie Sherman, 2014. Microbiology: A Laboratory Manual, 10th Edition Pearson. 300 halaman 	