MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN **FACULTY OF MATHEMATICS AND NATURAL SCIENCES** **BACHELOR OF BIOLOGY PROGRAMME**	**COURSE CODE:** **D10D-1002**
Module designation	Basic Biology Practicum	
Semester in which the module is taught	1	
Persons responsible for the module	1. Dr. Keukeu Kaniawati Rosada 2. Dr. Kartiawati Alipin 3. Dr. Teguh Husodo 4. Dr. Mia Miranti 5. Drs. Hikmat Kasmara, MS 6. Drs. Joko Kusmoro, MP	
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	-	
Module objectives/intended learning outcomes	1. Able to apply concepts about safety and hygiene in the laboratory 2. Able to distinguish components and use microscopes 3. Able to distinguish cell morphology and heredity factors 4. Able to distinguish microbial cells 5. Able to classify plants and animals 6. Able to distinguish plant and animal biosystems 7. Able to differentiate between biodiversity and ecosystem	
Contents	The Basic Biology Practicum course is carried out by practicing the concepts of safety and hygiene in the laboratory, basic principles of microscope components and use, basic concepts of cells and heredity factors, basics about the microbial world, basic principles of plant and animal taxonomy, basic concepts of plant and animal biosystems, biodiversity and ecosystems. Each practicum activity provided will be delivered in line with the material in the theoretical practicum. By following this course, students are expected to understand and practice the basic concepts of Biology in the scientific study of Biology which is harmonized with the development of Biology.	
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. Reece, J. B., & Campbell, N. A. (2011). Campbell biology. Boston: Benhoursin Cummings / Pearson. 2. Urry, L. A., Cain, M. L. I., Wasserman, S. A., Minorsky, P. V., Reece, J.B., & Campbell, N. A. (2017). Essential biology. Eleventh edition. New York, NY: Pearson Education, Inc.	