MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN **FACULTY OF MATHEMATICS AND NATURAL SCIENCES** **BACHELOR OF BIOLOGY PROGRAMME**	**COURSE CODE:** **D10D-1001**
Module designation	Basic Biology	
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	Lectures and discussions	
Workload	Total workload : 8160 minutes = 136 hours Lecture and discussion : 3 x 50 minutes x 16 weeks = 2400 minutes = 40 hours Exercises : 3 x 60 minutes x 16 weeks = 2880 minutes = 48 hours Self-study : 3 x 60 minutes x 16 weeks = 2880 minutes = 48 hours	
Credit points	3.00 (5.43 ECTS)	
Required and recommended prerequisites for joining the module	-	
Module objectives/intended learning outcomes	1. Able to explain the concept of safety and hygiene in the laboratory 2. Able to explain the basic principles of microscope components and usage 3. Able to explain the chemistry of life 4. Able to explain the basic concepts of cells and heredity factors 5. Able to explain the basics of the microbial world 6. Able to explain the basic principles of plant and animal taxonomy 7. Able to explain the basic concepts of plant and animal biosystems 8. Able to explain biodiversity and ecosystems	
Contents	Basic Biology courses are carried out by containing basic concepts of safety and hygiene in the laboratory, basic principles of microscope components and use, the chemistry of life, 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 material provided will be delivered in line with the implementation of the practicum. By following this course, students are expected to know and understand 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 80%. 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.	