


MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE: D10D-60301
Module designation	Bacteriology	
Semester(s) in which the module is taught	6	
Person(s) responsible for the module	1. Prof. Ratu Safitri 2. Yolani Syaputri, Ph.D	
Medium of instruction	Indonesian	
Relation to curriculum	Elective course	
Teaching methods	Lectures, discussions, cooperative learning, and inquiry learning	
Workload	Total workload : 8160 minutes = 136 hours Lectures, discussions, cooperative learning, and inquiry learning : 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	Microbiology	
Module objectives/intended learning outcomes	1. Able to understand the scope and scope of bacteriology 2. Able to explain the general concept of bacteria and its relationship with animals and humans 3. Able to understand bacterial metabolism 4. Able to understand the principles of bacterial pathogenicity 5. Able to explain the types of pathogenic bacteria that cause disease in humans	
Contents	Bacteriology course is an elective course for Semester 6 (six) students. After studying basic concepts of bacteriology, students will know morphology, diversity, metabolism, properties and benefits as well as disease-causing bacteria. At the end of the lecture students will have understand in depth about microorganisms of the bacterial group.	
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 Quizzes (20%), Assignments (20%), midterm exams (30%), and final exams (30%).	
Reading lists	1. Todar, K. 2005. Todar's Online Textbook of Bacteriology. University of Wisconsin-Madison. 2. Wassenaar, T. M. "Bacteriology: the study of bacteria". www.mmgc.eu . 3. Ward J. MacNeal; Herbert Upham Williams (1914). Pathogenic micro-organisms; a text-book of microbiology for physicians and students of medicine. P. Blakiston's Sons. 4. Poindexter, Jeanne Stove. Methods and special applications in bacterial ecology. Springer. p. 87. ISBN 978-0-306-42346-8.	