


## MODULE HANDBOOK

	<b>UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME</b>	<b>COURSE CODE: D10D-601015</b>
<b>Module designation</b>	Phytopathology	
<b>Semester(s) in which the module is taught</b>	6	
<b>Person(s) responsible for the module</b>	1. Dr. Mohamad Nurzaman 2. Dr. Tia Setiawati	
<b>Medium of instruction</b>	Indonesian	
<b>Relation to curriculum</b>	Elective course	
<b>Teaching methods</b>	Lectures, discussions, cooperative learning, and inquiry learning	
<b>Workload</b>	Total workload : 5440 minutes = 90.67 hours  Lectures, discussions, cooperative learning, and inquiry learning : 2 x 50 minutes x 16 weeks = 1600 minutes = 26.67 hours Exercises : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours Self-study : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours	
<b>Credit points</b>	2,00 (3,62 ECTS)	
<b>Required and recommended prerequisites for joining the module</b>	-	
<b>Module objectives/intended learning outcomes</b>	1. Able to identify plant diseases in the given case 2. Able to use the basic principles of using tools in research activities in Biology 3. Able to provide alternative solutions for the prevention and control of plant diseases. 4. Understand plant defense mechanisms against diseases and their interactions	
<b>Contents</b>	This course contains knowledge of plant diseases ranging from the history of the development of plant disease science, concepts, definitions and terms, pathogenesis symptoms, plant resistance and plant disease management including disease control due to fungi, bacteria, viruses, and nematodes.	
<b>Examination forms</b>	Quiz, midterm exam, assignment, and final exam	
<b>Study and examination requirements</b>	The minimum attendance in lectures is 80%. Final grades are evaluated based on Quizzes (15%), Tasks (15%), midterm exams (35%), and final exam (35%)	
<b>Reading lists</b>	1. Agrios, George N. 1988. Plant pathology. San Diego : Academic Press 2. Mehrotra, R. S., author. 1986 Plant pathology. New Delhi: McGraw-Hill 3. Agrios, George N. 1996. Ilmu penyakit tumbuhan; penerjemah, Munzir Busnia; penyunting, Toekidjo Martoredjo, 1996. Gajah Mada University Press. 4. Toekidjo Martoredjo. 1992. Pengendalian penyakit tanaman. Yogyakarta	