


## MODULE HANDBOOK

	<b>UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME</b>	<b>COURSE CODE: D10D-2004</b>
<b>Module designation</b>	Animals Structure and Physiology 1	
<b>Semester in which the module is taught</b>	2	
<b>Persons responsible for the module</b>	1. Dr. Yasmi P. Kuntana 2. Dr. Desak Made Malini 3. Dr. Kartiawati Alipin 4. Dra. Nining Ratningsih MIL. 5. Madihah, S.Si., M.Si	
<b>Medium of instruction</b>	Indonesian	
<b>Relation to curriculum</b>	Compulsory course	
<b>Teaching methods</b>	Lectures and discussions	
<b>Workload</b>	Total workload : 5440 minutes = 90.67 hours  Lecture and discussion : 2 x 50 minutes x 16 weeks = 1600 minutes = 13.33 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>	Basic biology	
<b>Module objectives/intended learning outcomes</b>	1. Explain the anatomical and histological structure and function of organs in the animal body-building system 2. Differentiate the structure and function of organs from several groups of animals, especially vertebrates 3. Connecting the structure and function of various organs that make up the animal body system 4. Use knowledge of animal structure and physiology as a basis for analyzing structural and physiological changes due to environmental influences.	
<b>Contents</b>	This course studies the anatomical and histological structure and function of the animal body system, which consists of an introduction: animal body organization, directions, and fields in anatomy; animal cells; basic tissues (epithelial and connective); integumentary system; nervous system and senses; and muscular and skeletal systems.	
<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 quiz (20%), midterm exam (30%), assignment (20%), and final exam (30%)	
<b>Reading lists</b>	1. Gartner L.P. and Hiatt J.L. 2006. Color Textbook of Histology, 3rd ed. Saunders Elsevier: Philadelphia. 2. Drake, R.L, Vogl, W and Mitchell, A.W.M. 2007. Gray's Anatomy for Students. Saunders Elsevier: Philadelphia. 3. Harver, H.A., V.W. Rodwell & P.A. Mayes. 1997. Review of Physiology Chemistry. Lange Medical Publishing. Los Altos California. 4. Vander, A.J., H.S. hourses & D.S. Luciano. 1994. Human Physiology. McGraw-Hill Inc. New York. St Louis. San Francisco. 5. Tortora, G.G. & N.P. Anagnostakos. 1984. Principles of Anatomy and Physiology, 4th ed. Harper & Row Publishers: New York	