


MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE: D10D-3005
Module designation	Animals Structure and Physiology 2	
Semester in which the module is taught	3	
Persons responsible for the module	1. Dr. Kartiawati Alipin 2. Dra. Nining Ratningsih MIL. 3. Dr. Desak Made Malini 4. Dr. Yasmi P. Kuntana 5. Madihah, M.Si	
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. Explain the anatomical and histological structures and functions of the organs in the animal body-building system. Differentiate the structure and function of organs from several groups of animals, especially vertebrates. 2. Connect the structure and function of various organs that make up the animal body system. 3. Use knowledge of structure and physiology in animals as a basis for analyzing structural and physiological changes due to environmental influences.	
Contents	This course studies the anatomical and histological structures and functions for normal physiological activities of the animal body system. The form, structure, and function are explained in relation to the regulation of the body system as a whole, and compared with other vertebrate animals (Pisces, amphibians, reptiles, aves, and mammals).	
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. 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. Rodwel & 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 Fransisco. 5. Tortora, G.G. & N.P. Anagnostakos. 1984. Principles of Anatomy and Physiology, 4th ed. Harper & Row Publishers: New York	