


MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE: D10D-3006
Module designation	Animals Structure and Physiology 2 Practicum	
Semester in which the module is taught	3	
Persons responsible for the module	1. Dr. Desak Made Malini 2. Dr. Yasmi P. Kuntana 3. Dra. Nining Ratningsih MIL	
Medium of instruction	Indonesian	
Relation to curriculum	Compulsory course	
Teaching methods	Practice	
Workload	Total workload : 2720 minutes = 45.33 hours Practice : 1 x 170 minutes x 16 weeks = 2720 minutes = 45.33 hours Exercises : - Self-study : -	
Credit points	1.00 (1.81 ECTS)	
Required and recommended prerequisites for joining the module	Basic biology	
Module objectives/intended learning outcomes	<ol style="list-style-type: none"> 1. Conduct practicum observing the anatomy of the male and female reproductive systems and ovum and testis preparations to see the processes of oogenesis and spermatogenesis 2. Conduct practical observations of the anatomy and histology of the respiratory system of rats and fish 3. Conducting practicum histological observations of the cardiovascular system and blood vessels of rats 4. Doing practicum observing the anatomy and histology of the lymphoid organs of rats 5. Conduct practical observations of the anatomy and histology of the rat urinary system 6. Observing the anatomy and function of the rat digestive system 7. Observing the anatomy and histology of the rat endocrine system 	
Contents	This course studies the male reproductive system, the female reproductive system, the structure of the respiratory system, respiration in fish, advanced embryogenesis & neurulation, cardiovascular system function, immune system, structure of the urinary system, histology of the digestive system, anatomy and function of the digestive system, and endocrine system	
Examination forms	Quiz, Midterm exam, Assignment, and Final exam	
Study and examination requirements	The minimum attendance in lectures is 100%. Final grades are evaluated based on quiz (10%), midterm exam (25%), assignment (40%), and final exam (25%)	
Reading lists	<ol style="list-style-type: none"> 1. Gartner L.P. and Hiatt J.L. 2006. <i>Color Textbook of Histology</i>, 3rd ed. Saunders Elsevier: Philadelphia. 2. Drake, R.L, Vogl, W and Mitchell, A.W.M. 2007. <i>Gray's Anatomy for Students</i>. Saunders Elsevier: Philadelphia. 3. Harver, H.A., V.W. Rodwel & P.A. Mayes. 1997. <i>Review of Physiology Chemistry</i>. Lange Medical Publishing. Los Altos California. 4. Vander, A.J., H.S. James & D.S. Luciano. 1994. <i>Human Physiology</i>. McGraw-Hill Inc. New York. St Louis. San Fransisco. 5. Tortora, G.G. & N.P. Anagnostakos. 1984. <i>Principles of Anatomy and Physiology</i>, 4th ed. Harper & Row Publishers: New York 	