THE MODULE HANDBOOK
FACULTY OF BIOLOGY
MASTER PROGRAMME

ANIMAL PHYSIOLOGY

Module code	BIO-60801
Module level	1st year of Master Program in Biology
Abbreviation, if applicable	-
Courses related	-
Semester	Odd
Course coordinator(s)	Dr.biol.hom. Nastiti Wijayanti, M.Si.
Lecture(s)	1. Dr.biol.hom. Nastiti Wijayanti, M.Si. 2. Dr. Slamet Widiyanto, M.Sc.
Language	Bahasa Indonesia and English
Classification within the Curriculum	Compulsory Course for Specific Field of Interest
Teaching format/class hours per week during the semester	This course is organized into one class and planned to have 14 teaching weeks and 2 weeks of examination. This course also has laboratory works credits.
Workload	Estimated working hour: 10,5 hours/week.
Credit	2-1 credits
Requirements	-
Course Learning Outcome	1. Able to master study scope of animal physiology 2. Able to explain the homeostatic process in the animal body 3. Able to design experiments and utilize methods in animal physiological research
Syllabus	Animal Physiology is a branch of Biology which has a central position, studying the activities and functions of animal organs as a system, each of which carries out special tasks but interacts and works with one another. This study is global and fundamental, giving priority to understanding the basic concepts or working principles / mechanisms of action of a process in the body. Model animals are used as a model / comparison of a physiological process in humans and their studies are used in various homeostasis processes to achieve human welfare.
Study/exam achievements	a. Midterm: 30% b. Final examination: 40% c. Projects and Presentation: 30%
Forms of media	White board, notebook, LCD
Reference	1. Kay, I. 1998. Introduction to Animal Physiology. Bios Scientific Publisher. Guilford.

	2. Moyes, C.D. and P.M. Schulte. 2008. Principles of Animal Physiology. Pearson/Benjamin Cummings. San Francisco. California. 3. Withers, P.C. 1992. Comparative Animal Physiology. saunders College Publishing. Harcourt Brace Javanovich. College Publishers. Orlando. Florida. 4. Seeley, R.R., T.D. Stephens, and P. Tate. 2000. Anatomy and Physiology. McGraw-Hill Company. New York.