



THE MODULE HANDBOOK

FACULTY OF BIOLOGY

MASTER PROGRAMME

HISTOLOGY

Module code	BIO-60704
Module level	1 st year of Master Program in Biology
Abbreviation, if applicable	-
Courses related	-
Semester	Odd
Course coordinator(s)	Dr. Bambang Retnoaji, M.Sc.
Lecture(s)	1. Dr. Bambang Retnoaji, M.Sc.
Language	Bahasa Indonesia and English
Classification within the Curriculum	Elective Courses
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	<ol style="list-style-type: none">1. Able to master the structure and function of organ systems in animal body through molecular approach2. Able apply histology to explain the relation of structure and function of normal tissue or organ in animal body3. Able to design histological experiment for vertebrate model, prepare sample, and utilize micro-technique and microscopy skills
Syllabus	The histology courses provide an understanding of cells, tissues, animal organ systems, through a microscopy approach and its relationship between the structure and function of organ systems. The course will also introduce the mechanisms of organ structure and function at the molecular level. This course also teaches modern histology methods as well as current research in the field of animal histology by combining lectures with practical as a mini research in the field of histology and its application.
Study/exam achievements	<ol style="list-style-type: none">a. Midterm: 40%b. Final examination: 40%c. Projects: 15%d. Quiz: 5%
Forms of media	White board, notebook, LCD



THE MODULE HANDBOOK

FACULTY OF BIOLOGY

MASTER PROGRAMME

Reference

1. Junqueira, L.C. and J. Carneiro. 2013. Basic Histology: Text and Atlas. 13th edition. McGraw-Hill Companies, Inc.
 2. b. Lutz Slomianka, 2009, Blue Histology, University of Western Australia,
<http://www.lab.anhb.uwa.edu.au/mb140/>
-