

Module Handbook

Modul Name	Animal Histology
Modul Level	Bachelor
Abbreviation, If applicable:	BIS 222
Sub---heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester	Even (4 th Semester)
Module Coordinator	Dr. Dwi Winarni, M.Si.
Lectures	Drs. Saikhu Akmad Husen
Language	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course / Elective Studies
Teaching format/ class hours per week during semester	300 minutes/ week
Workload per semester	100 min lecture + 100 min structural assignment + 100 min self-assignment x 13 weeks; total 3900 min = 65 hours 65/25 = 2.6 ECTS
Credit point	2
Requirements	Vertebrate Comparative Anatomy
Learning goals/competencies	General Competence (Knowledge) Students are able to explain, to demonstrate, to compare, and categorize of animals tissues and organ systems properly. Specific Competence <ol style="list-style-type: none">1. Mentioning the difference of the 4 basic tissue structures2. Distinguishing several types of epithelial tissue, according to its structure and function.<ol style="list-style-type: none">a. Differentiating loose connective tissue and dense connective tissueb. Differentiating bone tissue with several types of cartilage tissue, according to its unique structure and functionc. Differentiating several types of mammal's and other vertebrates's blood cellsd. Membedakan jenis-jenis jaringan lemake. Differentiating types of fatty tissue, according to its unique structure and function3. Distinguishing several types of muscle tissue in several cutting views, according to its unique structure4. Membedakan cerebrum, cerebellum, medula spinalis, ganglion dan serabut saraf (nerve) berdasar struktur khususnya5. Distinguishing the difference of cerebrum, cerebellum, spinal cord, ganglion, and nerve fibers according to their unique structures.6. Connecting the unique structures of respiratory system's organs with their functions.7. Connecting the unique structures of transportation system's organ (blood and lymphoid) with their functions.8. Connecting the unique structure of digestive tissue's organs (mouth, esophagus, gaster, intestine, rectum, and anus) with their functions.9. Distinguish the unique structure of several digestive glands

	<p>(saliva gland, gastric gland, intestine gland, hepatic gland, and pancreatic gland).</p> <p>10. Identifying the unique structure of female's reproduction system and glands and also other vertebrates'</p> <p>11. Identifying the unique structure of male's reproduction system and glands and also other invertebrates'</p> <p>12. Connecting the unique structures of urinary system (kidney, ureter, urethra, and vesical urinary) with their functions.</p>
Content	Introduction, tissue of epithelial, connective, muscle, nervous; systems of respiratory, circulation, digestive, excretory, and reproductive.
Soft skill Attribute	Discipline and Teamwork
Study/ exam achievements	<p>Students are considered to be competent and pass if at least get 40% of maximum. Final score (NA) is calculated as follow: mid exam (40%), final exam (40%), soft skill (20%).</p> <p>Final index is defined as follow:</p> <p>A : 75 - 100</p> <p>AB : 70 - 74.99</p> <p>B : 65 - 69.99</p> <p>BC : 60 - 64.99</p> <p>C : 55 - 59.99</p> <p>D : 40 - 54.99</p> <p>E : 0 - 39.99</p>
Form of media	LCD
Learning Method	Lecturing, discussion, structural activities
Literature	<p>a. Louis C. Junquiera. 1988. <i>Basic Histology</i>. Lange Medical. Publ. California.</p> <p>b. Lea and Febiger. 1992. <i>Textbook of veterinary</i>. Terjemahan I & II, Universitas Indonesia Press.</p> <p>c. Subowo. 2002. <i>Histologi Umum</i>. Pusat Antar Universitas – Ilmu Hayati. ITB. Bandung.</p>
Note	Requirement of Animal Tissue Adaptation, Micro technique, Endocrine, and Vertebrate Embryology