

Undergraduate Programme in Biology

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MODULE HANDBOOK

Module Name	Animal Structure and Development		
Module level, if applicable	Bachelor		
Code, if applicable	BIO414006		
Subtitle, if applicable	-		
Courses, if applicable	Animal Structure and Development		
Semester(s) in which the module is taught	2 th (second)		
Person responsible for the module	Dr. Isma Kurniatanty, M.Si		
Lecturer(s)	Dr. Isma Kurniatanty, M.Si dan Najda Rifqiyati		
Language	Indonesia		
Relation to curriculum	compulsory course in the first year (2 th semester) Bachelor Degree		
Type of teaching, contact hours	100 minutes lectures, 120 minutes structured activities, 120 minutes individual study, 170 minutes laboratory practical per week.		
Workload	Total workload is 136 hours per semester, which consists of 100 minutes lectures per week for 14 weeks, 180 minutes structured activities per week, 180 minutes individual study per week, 170 minutes laboratory practical per week, in total is 16 weeks per semester, including mid exam and final exam.		
Credit points	3 credits (4,5 ECTS)		
Requirements according to the examination regulations	Minimum attendance of 75%, Participate in all laboratory practical and exam of laboratory practical.		
Recommended prerequisites	No prerequisites stated on		
Module objectives/intended learning outcomes	After completing this course, the students: CO 1. Students are able to explain the basic principles of anatomy and histology and animal development. CO 2. Students have the skills to dissect test animals with bioethics. CO 3. Students are able to integrate and interconnect with religious knowledge and other branches of biological science.		
Content	1. Morfology 2. Anatomy 3. Histology 4. Embryogenesis 5. Morfogenesis 6. Diferensiasi		
Study and examination requirements and forms of examination	The final mark will be weighted as follows:		
	NO	Assessment methods (components, activities)	Weight (percentage)
	1	Final Examination	30%
	2	Mid-Term Examination	20%
	3	Laboratory practical	30%
	4	Quiz	10 %

	5	Homework			10%																																									
	The final assessment is expressed in the form of a letter value converted from a number value with the following categories:																																													
	<table><tr><th>NO</th><th>Number Value</th><th>Letter Value</th><th>NO</th><th>Number Value</th><th>Letter Value</th></tr><tr><td>1</td><td>≥ 95</td><td>A</td><td>7</td><td>65-69.99</td><td>B/C</td></tr><tr><td>2</td><td>90-94.99</td><td>A-</td><td>8</td><td>60-64.99</td><td>C+</td></tr><tr><td>3</td><td>85-89.99</td><td>A/B</td><td>9</td><td>55-59.99</td><td>C</td></tr><tr><td>4</td><td>80-84.99</td><td>B+</td><td>10</td><td>50-54.99</td><td>C-</td></tr><tr><td>5</td><td>75-79.99</td><td>B</td><td>11</td><td>55-34.99</td><td>D</td></tr><tr><td>6</td><td>70-74.99</td><td>B-</td><td>12</td><td><35</td><td>E</td></tr></table>					NO	Number Value	Letter Value	NO	Number Value	Letter Value	1	≥ 95	A	7	65-69.99	B/C	2	90-94.99	A-	8	60-64.99	C+	3	85-89.99	A/B	9	55-59.99	C	4	80-84.99	B+	10	50-54.99	C-	5	75-79.99	B	11	55-34.99	D	6	70-74.99	B-	12	<35
NO	Number Value	Letter Value	NO	Number Value	Letter Value																																									
1	≥ 95	A	7	65-69.99	B/C																																									
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6	70-74.99	B-	12	<35	E																																									
Media employed	White-board, Lcd Projector, e-learning (https://daring.uin-suka.ac.id/)																																													
Reading list	1. Developmental Biology (9 ed). 2006. Scott. F. Gilbert 2. Animal Structure and Function. 2012. Cecie Starr, Ralph Taggart, Christine Evers , • Brooks/Cole. 3. Junqueira LC, Carneiro J, O Robert, Kelley. 1997. <i>Histologi Dasar</i>. ed. ke-8. Alih bahasa Jan Tambayong. Jakarta: EGC 4. Hafez dan Hafez ESE. 2000. Reproduction in Farm Animals. 7th. Philadelphia. Lea & Febiger 5. Campbell Biology, 2019, Jane Reece, Lisa A. Urry, Peter V. Minorsky, Michael L. Cain, Steven A. Wasserman, Pearson																																													

PLO and CO Mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11
CO 1				√							
CO 2				√		√		V			
CO 3							√				