

Undergraduate Programme in Biology

Telp : +62-274-519739
Email : bio@uin-suka.ac.id
Website : <https://biologi.uin-suka.ac.id>

MODULE HANDBOOK

Module Name	Comparative Animal Anatomy		
Module level, if applicable	Bachelor		
Code, if applicable	BIO425022		
Subtitle, if applicable	-		
Courses, if applicable	zoology		
Semester(s) in which the module is taught	5 th (fifth)		
Person responsible for the module	Najda Rifqiyati, S.Si, M.Si		
Lecturer(s)	Najda Rifqiyati, S.Si., M.Si		
Language	Indonesia		
Relation to curriculum	Elective course in the third year (5 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	Animal Structure and Development		
Module objectives/intended learning outcomes	After completing this course, the students: 1. Students are able to explain the basic principles of comparative anatomy of vertebrate animals 2. Students are able to compare organ systems from 5 classes of vertebrate animals 3. Students have the skills to dissect test animals with bioethics.		
Content	Integument syste, skeletal dan muscular system, respiratory system, Cardiovascular and lymphatic system, Digesty system, Urogenital system, nervous system, Endocrine system		
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	5 %
5	Homework	15%	

	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	E
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Media employed	White-board, Lcd Projector, e-learning (https://daring.uin-suka.ac.id/), laboratory practical																																										
Reading list	1. Animal Structure and Function. 2012. Cecie Starr, Ralph Taggart, Christine Evers, Brooks/Cole. 2. Junqueira LC, Carneiro J, O Robert, Kelley. 1997. <i>Histologi Dasar</i>. ed. ke-8. Alih bahasa Jan Tambayong. Jakarta: EGC 3. Hafez dan Hafez ESE. 2000. Reproduction in Farm Animals. 7th. Philadelphia. Lea & Febiger 4. 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				√							
CO 3				√							