Module Descriptions

Module Designation	Animal Systematics
Module level	Bachelor degree/Undergraduate Programme
Course Code	8420504220
Semester/Term	4rd semester
Person responsible for the module	Dr. Ulfi Faizah, S.Pd., M.Si. Reni Ambarwati, S.Si., M.Sc. Dwi Anggorowati Rahayu, S.Si., M.Si.
Language	Bahasa Indonesia (Indonesian language)
Relation to curriculum	Compulsory course
Teaching method	Lecture, lab works
Workload	Contact hours: 3 x50 minutes lectures, 3 x50 minutes laboratory works Private study: 3 x60 minutes structured activity, 3 x60 minutes individual activity Total 180 hours per semester ~ 6.36 ECTS**
Credit Point	4 CUs
Requirements according to the examination regulations	Animal Structure and Development
Module Objectives/intended learning outcomes	1. Mastery of the concepts of Animal Systematics (*knowledge*) 2. Able to apply logical, critical, systematic, and creative thinking in identifying and describing animals (*special competence*) 3. Able to design and implement research in the field of Animal Systematics and process, analyze, interpret, and document research data (*special competence*) 4. Able to apply transferable skills to develop eco-commitment in an effort to realize the character of "Faithful, Intelligent, Independent, Honest, Caring, and Resilient (Idaman Jelita)" (*general competence*) 5. Able to communicate the results of Animal Systematics research in the form of scientific articles (*general competence*) 6. Able to collaborate on project assignments (*attitude and social*)
Content	This course discusses the concept of animal systematics, scientific nomenclature, special characteristics/distinctive

<table>
<tr><td></td><td>characters and general characteristics, description, identification, classification, and diversity of animals which include the Phylum Porifera, Cnidaria, Platyhelminthes, Nemathelminthes, Annelida, Mollusca, Arthropoda, Echinodermata and Chordata. In addition, this course also reviews the benefits of these animals for human life, kinship relationships between taxa and research methods both morphologically and DNA which are studied using computer programs (Information technology/IT).</td></tr>
<tr><td>Study and examination requirements and forms of examination</td><td>Students are eligible for the final semester test if they have at least 75% attendance in class.

The final grade (NA) is calculated based on the following ratio:

<table>
<tr><td>Assessment Components</td><td>Percentage of contribution</td></tr>
<tr><td>Participation</td><td>20%</td></tr>
<tr><td>Assignment</td><td>30%</td></tr>
<tr><td>Mid-semester test</td><td>20%</td></tr>
<tr><td>Final semester test</td><td>30%</td></tr>
</table>
Grade conversion of 0-100 scale into 0-4 scale is set as below:
<table>
<tr><td>Letter</td><td>Number</td><td>Grade Interval</td></tr>
<tr><td>A</td><td>4,00</td><td>85 ≤ A ≤ 100</td></tr>
<tr><td>A-</td><td>3,75</td><td>80 ≤ A- < 85</td></tr>
<tr><td>B+</td><td>3,50</td><td>75 ≤ B+ < 80</td></tr>
<tr><td>B</td><td>3,00</td><td>70 ≤ B < 75</td></tr>
<tr><td>B-</td><td>2,75</td><td>65 ≤ B- < 70</td></tr>
<tr><td>C+</td><td>2,50</td><td>60 ≤ C+ < 65</td></tr>
<tr><td>C</td><td>2,00</td><td>55 ≤ C < 60</td></tr>
<tr><td>D</td><td>1,00</td><td>40 ≤ D < 55</td></tr>
<tr><td>E</td><td>0,00</td><td>0 ≤ E < 40</td></tr>
</table>
</td></tr>
<tr><td>Reading List</td><td>Ambarwati R, Faizah U, Rahayu DA, 2019. Sistematika Hewan 1: Teori dan Praktik. Surabaya: Unesa University Press

Faizah U, Ambarwati R, Rahayu DA, 2019. Sistematika Hewan 2: Teori dan Praktik. Surabaya: Unesa University Press

International Commission on Zoological Nomenclature. 1999. International Code of Zoological Nomenclature. London: The International Trust for Zoological Nomenclature

Kardong, K.V. 2018. Vertebrates: Comparative Anatomy, Function, Evolution 8th edition. New York: McGrawHill Companies, Inc.</td></tr>
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	Mayr, E and Peter DA. 1991. Principles of Systematic Zoology. Singapore: McGraw Hill, Inc. Pechenik, J.A. 2015. Biology of The Invertebrates, 7th edition. New York: McGraw-Hill International. Pough FH, Janis CM, Heiser JB. 2013. Vertebrate Life, 9th edition. Boston: Pearson