

Module Descriptions

Module designation	Mammalogy (course code MPU 3247)
Semester(s) in which the module is taught	5 st semester of Bachelor Programme in Biology
Person responsible for the module	Riyandi, S.Si., M.Si.
Lecture (s)	<ol style="list-style-type: none"> 1. Riyandi, S.Si., <u>M.Si.</u> 2. Ari Hepi Yanti, S.Si., <u>M.Sc.</u> 3. Kartika Prabasari, S.Si., M.Si
Language	Indonesia
Names of other study programmes with which the module is shared	-
Relation to curriculum	Elective course
Teaching methods	Collaborative learning, Case - based learning
Workload (incl. contact hours, self-study)	<p>Total workload: 7.76 ECTS</p> <ul style="list-style-type: none"> • Lecture: 26.6 hours (0.99 ECTS) • Assignment: 60.1 hours (2.23 ECTS) • Independent study: 56 hours (2.07 ECTS) • Practical sessions: <ul style="list-style-type: none"> ○ Labwork: 47.8 hours (1.77 ECTS) ○ Fieldwork: 18.99 hours (0.7 ECTS)
Credit points	3 credits
Required and recommended prerequisites for joining the module	-

Module objectives/intended learning outcomes	<p>Intended Learning Outcomes (ILO)</p> <p>Knowledge (ILO-2) Able to integrate and apply biological science and other scientific fields that support the development of biological science.</p> <p>General Skill (ILO-3) Able to collaborate effectively within a team and to communicate actively, both orally and in writing, in the domain of biology.</p> <p>Specific Skill (ILO-6) Able to apply biological methodology and use instruments by prioritising work safety and able to apply in the management of tropical wetland resource</p> <p>Course learning outcomes (CO)</p> <p>CLO 8. The ability to analyze the relationship between the structure and function of the cells, tissues, and organs that constitute living organisms.</p> <p>CLO 11. The ability to analyze the interactions among living organisms, ranging from the population level to the biosphere for understanding ecological dynamics.</p> <p>CLO 17. The ability to collaborate within a team to successfully complete case studies or projects in the field of biology and to present the findings effectively.</p> <p>CLO 18. The ability to systematically compile and communicate biological research findings based on valid data across various scientific communication formats, including scientific reports, articles, posters, and oral presentations.</p> <p>CLO 27. The ability to operate biological instruments and methodologies by prioritising work safety in the observation and measurement of biological and environmental objects.</p>
Content	Introduction, Classification, skeleton, muscles and nerves, Respiratory, digestive and circulatory systems, senses and special organs, distribution and migration, community and territorial ecology, population and communication, Bird reproductive system.
Examination forms	<ol style="list-style-type: none"> 1. Theory 70% <ol style="list-style-type: none"> a. Midterm 15% b. Final Exams 15% c. Case-Based Assignment 40% <ul style="list-style-type: none"> • Individual/Group Activity 20% • Group Report 20% 2. Practical sessions 30% <ol style="list-style-type: none"> a. Activity 15% b. Individual Report 15%
Study and examination requirements	75% attendance

Reading list	<ol style="list-style-type: none">1. Feldhamer, G. A., Merritt, J. F., Krajewski, C., Rachlow, J. L., & Stewart, K. M. 2020. Mammalogy: Adaptation, diversity, ecology (5th ed.). Johns Hopkins University Press. Baltimore.2. Ryan, J.M. 2018. Mammalogy Techniques Lab Manual. Johns Hopkins University Press. Baltimore.3. Vaughan, T. A., J. N. Ryan, & N. J. Czaplewski. 2015. Mammalogy (6th ed). Jones & Bartlett. Massachusetts.4. Francis, C.M. 2019. Field Guide to the Mammals of South-east Asia (2nd Edition). Bloomsbury Wildlife. London.5. Berta, A., Sumich, J. L., & Kovacs, K. M. 2015. Marine Mammals: Evolutionary Biology (3rd ed.). Academic Press. Amsterdam.
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