

## Module Handbook

Module designation	Animal Ecology (course code MPB 3123)
Semester(s) in which the module is taught	5
Person responsible for the module	<i>Riyandi, M.Si, Dr. Junardi, &amp; Ari Hepi Yanti, M.Sc</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<b>Compulsory</b>
Teaching methods	<i>lecture and lab works</i>
Workload (incl. contact hours, self-study hours)	<p><i>(Estimated) Total workload: 170 minutes x 3 unit x 16 = 8,160 minutes (136 hours)</i></p> <p><i>Contact hours (please specify whether lecture, exercise, laboratory session, etc.):</i></p> <p><i>lecture: every Monday, 07:30 - 09:10</i></p> <p><i>laboratory session: Wednesday, 13:00 - 16:00</i></p> <p><i>Private study including examination preparation, specified in hours<sup>1</sup>: 180 minutes x 16 session = 2,880 minutes (48 hours)</i></p>
Credit points	<i>3 unit</i>
Required and recommended prerequisites for joining the module	<i>Wetland Biology (course code MPB 2108)</i>

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<sup>1</sup> When calculating contact time, each contact hour is counted as a full hour because the organisation of the schedule, moving from room to room, and individual questions to lecturers after the class, all mean that about 60 minutes should be counted.

<p>Module objectives/intended learning outcomes</p>	<p><b>General skills:</b> <i>Able to work in teams and communicate actively orally and in writing in the field of biological sciences</i></p> <p><b>First specific skill:</b> <i>Able to plan, solve problems and provide recommendations for sustainable management of tropical wetland resources</i></p> <p><b>Second specific skills:</b> <i>Mastering biological instruments and methodologies and being able to apply them in the management of tropical wetland resources</i></p>
<p>Content</p>	<p><i>The subject exposes students to the basic knowledge required to understand animal ecology principles. Students will be acquainted with the definition of ecology, its history, principles, and applied aspects of animal ecology, animal habitats and niches, food supply and foraging behavior, animal population and communities, and interaction between animals and their environment.</i></p>
<p>Examination forms</p>	<p><i>Written test</i></p>
<p>Study and examination requirements</p>	<p><i>Re-registration and 75% attendance.</i></p>

Reading list	<ol style="list-style-type: none"> <li>1) <i>Begon, M., J.L. Harper and C.R. Townsend. 1990. Ecology of Individual, Population and Communities. Blackwell Scientific Pub. Oxford</i></li> <li>2) <i>Kormondy, E.J. 1969. Concept Ecology. Prentice Hall, Inc. New Jersey.</i></li> <li>3) <i>Kendeigh, S.C., 1980, Ecology with special reference to animals and man, Prentice- Hall of India.</i></li> <li>4) <i>Krebs, C.J. 1972. Ecology: The Experimental Analysis of Distribution and Abundance. Harper and Row. New York.</i></li> <li>5) <i>Odum, E.P.1971. Fundamental of Ecology, 3rd ed. W.B. Saunders Book Co, Philadelphia</i></li> <li>6) <i>Pielou, E.C. 1979. Population and Company Ecology, Principle and Methods. Gordon and Breach. Sci. Publ.</i></li> <li>7) <i>Soetjipto, E.R. 1980. Dasar-dasar Ekologi Hewan. Depdikbud Dikti. Jakarta.</i></li> <li>8) <i>Pianka, E.R. 1980. Evolutionary Ecology. Harper and Row. Publ.</i></li> </ol>
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