



# THE MODULE HANDBOOK

DEPARTMENT OF BIOLOGY  
FACULTY OF SAINS AND MATHEMATICS  
DIPONEGORO UNIVERSITY

## ANIMAL BEHAVIOR

<b>Module designation</b>	ABL21431
<b>Semester(s) in which the module is taught</b>	Odd Semester
<b>Person responsible for the module</b>	1. Dr. Sri Isdadiyanto, M.Si 2. Dr. Teguh Suprihatin, M.Si
<b>Language</b>	Indonesian
<b>Relation to curriculum</b>	Elective
<b>Teaching methods</b>	lecture, lesson, small project
<b>Workload (incl. contact hours, self-study hours)</b>	Contact hours (Lecture : 100 minutes, Exercise : 120 minutes) Private hours : 120 minutes
<b>Credit points</b>	2
<b>Required and recommended prerequisites for joining the module</b>	Animal Physiology
<b>Module objectives/intended learning outcomes</b>	<ul style="list-style-type: none"><li>• Students are able to understand about concept of animal behavior, sensoric structure, sensoric function, specialization of sensoric structure and function, and types of receptors.</li><li>• Students are able to understand endocrinology control system and nervous system on animal behavior, instinctive behavior, and learning behavior.</li></ul>
<b>Content</b>	Animal behavior course studies the limits of understanding and limits of behavior in animals, the function of animal behavior, sensory and perceptual processes in animals, control systems in behavior (neuroendocrine), genetic aspects of innate behavior (instinctive behavior), learned behavior (learning behavior), social behavior in animals which includes adaptive behavior in groups, mating behavior, navigation, migration, communication and social organization of animals, optimization techniques



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	and manipulation of animal behavior.
<b>Exams and assessment formats</b>	: Midterm assessment : 90 minutes Final assessment : 90 minutes Take home assessment : 120 minutes Presentation assessment : 100 minutes
<b>Study and examination requirements</b>	: Midterm assessment : 25 % Final exam : 25 % Structured assignment : (take home assessment and presentation assessment : 50 %)
<b>Reading list</b>	: <ul style="list-style-type: none"><li>• Gundevia, H.S. and Hare Govind Singh, 1996, Animal Behavior. S. Chand, Company Ltd. New Delhi.</li><li>• Hopson, J.L. &amp; Wessel, N.H. 1990, Essential of Biology, Mc. Graw – Hill. New York.</li><li>• Manning A. and M.S. Dawkins, 1992, An Introduction to Animal Behavior. University Press. Cambridge.</li></ul>