

Module Handbook

Modul Name	Animal Ecology
Modul Level	Bachelor
Abbreviation, If applicable:	BIL 320
Sub---heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester	Odd (3 rd Semester)
Module Coordinator	Bambang Irawan
Lectures	Bambang Irawan Trisnadi Widya Leksono
Language	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course / Elective Studies
Teaching format/ class hours per week during semester	300 minutes/ week
Workload per semester	100 min lecture + 100 min structural assignment + 100 min self-assignment x 13 weeks; total 3900 min = 65 hours 65/25 = 2.6 ECTS
Credit point	2
Requirements	General Ecology
Learning goals/competencies	General Competence (Knowledge) Students are able to understand the interaction of animals in their habitat, in the level of population and biotic community Specific Competence 1. Understanding the scope and limit of animal ecology 2. Understanding the limiting factors of animal activity 3. Understanding the principle of ecophysiology 4. Understanding the principle of population 5. Understanding the principle of population structure 6. Understanding the concept of population interaction 7. Understanding ecological niche 8. Understanding the principle of community 9. Understanding the principle of adaptation 10. Understanding the principle of genetics and ecology
Content	Definition and scope of animal ecology, approaching in animal community study. Limiting factors, ecophysiology. Population parameter, population growth and population interaction. Community and niche. Adaptation, selection, and animal distribution
Soft skill Attribute	discipline and argumentation
Study/ exam achievements	Students are considered to be competent and pass if at least get 40% of maximum. Final score (NA) is calculated as follow: Paper project (20%), Quiz (10%), mid exam (30%), final exam (30%), Soft skill (10%) Final index is defined as follow: A : 75 - 100 AB : 70 - 74.99 B : 65 - 69.99

	BC : 60 - 64.99 C : 55 - 59.99 D : 40 - 54.99 E : 0 - 39.99
Form of media	LCD, computer
Learning Method	Class and discussion
Literature	<ul style="list-style-type: none"> a. de Beer, Sir G. 1972 <i>Adaptation</i>. Oxford Biology Readers. b. Krebs, C.J. 1978. <i>Ecology: The experimental analysis of distribution and abundance</i>, 2nd ed. Harper & Row Publisher. c. Pianka, E.R. 1983. <i>Evolutionary Ecology</i>, 4th ed. Harper & Row Publisher. d. Sibly, R.M., dan Calow, P. 1986. <i>Physiological Ecology of Animals, and evoluionary approach</i>. Blackwell Scientific Publication.
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