Module Descriptions

Module designation	Ecology
Module level	Bachelor degree/Undergraduate Programme
Course Code	8420504080
Semester/Term	4th semester
Person responsible for the module	Prof. Dr. Tarzan Purnomo, M.Si. Prof. Dr. Fida Rachmadiarti, M.Kes. Dra. Herlina Fitrihidajati, M.Si. Dr. H. Sunu Kuntjoro, S.Si., M.Si. Dr. Winarsih, M.Kes. Prof. Dr. Tarzan Purnomo, M.Si.
Language	Bahasa Indonesia (Indonesian language)
Teaching method	Lectures and Practicum
Workload	3 x50 minutes lectures, 3 x50 minutes laboratory works, 3 x60 minutes structured activity, 3 x60 minutes individual activity, 14 weeks per semester, 135 total hours per semester ~ 6.36 ECTS**
Credit Point	4 CUs
Required and recommended prerequisites for joining the module	General Biology, Conservation of Natural Resources and Environment
Module Objectives/intended learning outcomes	1. Exploring concepts in ecology to implement the interaction of organisms and their environment. 2. Communicating the results of reference searches and investigations in writing and orally concepts in ecology to implement the interaction of organisms and their environment. 3. Conducting investigations to implement the interaction of organisms and their environment.
Content	Studying the scope and development of ecology, including individuals, populations, communities, and ecosystems; energy flow in ecosystems, biogeochemical cycles; population interactions and population growth in communities; development and evolution in ecosystems, and the biosphere.
Examination forms	Written test

Study and examination requirements	**Study Requirement** Attendance: students must attend at least 75% of the lectures to be eligible for the final examination. **Study examination** The final grade (*NA*) is calculated based on the following ratio: Assessment table and grade table below

Study examination

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

Assessment Components	Percentage of contribution
Participation	20%
Assignment	30%
Mid-semester test	20%
Final semester test	30%

Grade Conversion of 0-100 scale into 0-4 scale is set as below:

Letter	Number	Grade interval
A	4.00	$85 \leq A \leq 100$
A-	3.75	$80 \leq A\text{-} < 85$
B+	3.50	$75 \leq B\text{+} < 80$
B	3.00	$70 \leq B < 75$
B-	2.75	$65 \leq B\text{-} < 70$
C+	2.50	$60 \leq C\text{+} < 65$
C	2.00	$55 \leq C < 60$
D	1.00	$40 \leq D < 55$
E	0.00	$0 \leq E < 40$

Reading List	Odum, E.P. 1993. Dasar-dasar Ekologi. Yogyakarta: The Benjamin/Cummings Publishing Company, Inc Mackenzie, A. A.S. Bali & S.R. Virdee. 1998. Instant Note In Ecology . Singapore: Bios Scientific Publishers Ltd. Spellerberg, lan,F. Longman. 1998. Conservation Biology . Singapore Publishers Ltd.

	Gough, A., & Sharpley, B. (2005). Education for a sustainable future: a National Environmental Education Statement for Australia school. Diambil dari http://www.environment.gov.au/education/publications/pubs/national -action -plan.pdf
	Gough, A. (2004). Achieving Sustainability Education in Primary Schools as a Result of the Victorian Science in Schools Research Project.Australian Journal of Environmental Education, Vol. 20(2).
	Odum, E.P. 1998. Dasar-Dasar Ekologi. Yogyakarta: Gadjah Mada University Pres