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Module designation	Ecology
Module level, if applicable	Undergraduate
Code, if applicable	PIPAUM6105
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	Even/Autumn Term
Person responsible for the module	Indra Fardhani, S.Pd., M.I.L., M.Sc., Ph.D.
Lecturer	Indra Fardhani, S.Pd., M.I.L., M.Sc., Ph.D.
Language	Bahasa Indonesia
Relation to curriculum	Undergraduate degree program, compulsory, 6thsemester.
Type of teaching, contact hours	1. Lecture/instructional and discussion, guided inquiry, 150 minutes per lecture per week 2. Field observation 170 minutes (2.8 hours) per week
Workload	1. Lectures: 3 x 50 = 150 minutes (2.5 hours) per week. 2. Exercises and Assignments: 3 x 60 = 180 minutes (3 hours) per week. 3. Independent Study: 3 x 60 = 180 minutes (3 hours) per week. 4. Field observation = 170 minutes
Credit points	4 credit points(~6.35 ECTS-eq).
Requirements according to the examination regulations	A student must have attended at least 80% of the lectures to sit in the exams.
Recommended prerequisites	PIPAUM6104-Biodiversitas (*Biodiversity*)
Module objectives/intended learning outcomes	After completing this module, students are expected to: LO 1: master basic biology knowledge using the Nature of Science (NOS) along with logical, critical, systematical, and innovative thinking in team collaboration using local potential and information technology development LO 4: analyze science phenomena in an integrated manner to solve problems logically, critically, systematically, and critically using information technology as data

	resources in the form of team work that respect the originality of other works.
Content	1. Population and environment 2. Food chains, food webs, food pyramids, energy flow 3. Biogeochemical cycles 4. Niche and habitats 5. Interaction of living things 6. Succession 7. Ecosystems 8. Ecosystem conservation.
Study and examination requirements and forms of examination	Presentation, Field Observation Report, Middle Semester Exam, and Semester Exam
Media employed	LCD, blackboard, moocs websites, ecology observation tools, UM e-learning system (Sipejar)
Reading list	1. Mackenzie, A., Ball, A. S., & Videe, S. R. (1998). Instant notes in ecology. Bios. 2. Gardener, M. (2014). Community ecology: analytical methods using R and Excel. Pelagic Publishing Ltd. 3. Southwood, T. R. E., & Henderson, P. A. (2009). Ecological methods. John Wiley & Sons. 4. http://yourspace.minotstateu.edu/paul.lepp/Ecology/Introductory%20Ecology%20Laboratory%20Manual.pdf about General Ecology Laboratory Manual
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