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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 |
| Person responsible for the module |  |
| Lecturer | Indra Fardhani, S.Pd., M.I.L., M.Sc., Ph.D. |
| Language | Bahasa Indonesia |
| Relation to curriculum | Undergraduate degree program, compulsory, 6th  semester. |
| 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 75% of the lectures to sit in the exams. |
| Recommended prerequisites | PIPAUM6104-Biodiversitas (*Biodiversity*) |
| Module objectives/intended learning outcomes | After completing this module, a student is expected to:  LO1 Demonstrate knowledge of basic biology.  LO4 Analyse and communicate science phenomena in an integrated manner to solve problems.  LO11 Demonstrate logical thinking and good scientific manner in teamwork and communicate their results in writing and orally |
| 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 |