Module designation	Environmental Science
Semester(s) in which the module is taught	Even/4th
Person responsible for the module	Prof. Dr. Tien Aminatun and Dr. Ir. Suhartini
Language	Bahasa Indonesia
Relation to curriculum	Compulsory
Teaching methods	Lecture, project, seminar, exam
Workload (incl. contact hours, self-study hours)	Total workload is 91 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week for 16 weeks.
Credit points	2 SKS (3 ECTS)
Required and recommended prerequisites for joining the module	Ecology
Module objectives/intended learning outcomes	PLO-2, PLO-4, PLO-6, PLO-8, PLO-11
Content	Environmental Science courses emphasize the growth of; Awareness of environmental issues that are integrated and the responsibility of students to move towards a scholarly, ecological and humanistic society. Sensitivity to the interaction between the quality of the biophysical environment and its use in sustainable development. The concept of development in accordance with the Rio de Janeiro Agenda 21 agreement and the concept of eco-efficiency, clean technology, and the concept of zero-waste technology. Understanding environmental management in line with the new paradigm of environmental management. Management is based on conservation strategies, environmental impact analysis, ecolabels in production systems. Integration of environmental ethics into environmental law, and various human efforts to solve environmental problems. Solutions in short-term, medium-term, long-term dimensions. Solutions are based on the uniqueness of local environmental problems in a national perspective and global reflection.
Examination forms	Presence, task, quiz, mid-semester exam, final semester exam, case study, team based project.

Study and examination requirements	The final mark will be weight as follow:

NO	Assessment Techniques	Percentage Weight Assessment (%)	Information
1	Kognitif	50	Maximum assessment weight accumulation 50%
	Presence	5	
	Task	5	
	Quiz	10	
	Mid-semester exams	15	
	Final Semester Exam	15	
2	Participatory	50	Maximum assessment weight accumulation 50%
	Case study	20	
	Team Base Project	30	
	Total	**100**	

Reading list	A. Sherman, D.J. and Montgomery D.R. 2022. Environtmental Science and Sustainability. WW Norton & Company, Celebrating in Century of Independent Publishing. B. Miller, G.T. 2016. Environmental Science. 15th Edition. Cencage Learning, Inc. C. Nyoman Wijana, 2014. Ilmu Lingkungan, Graha Ilmu, Yoyakarta D. Nyoman Wijana, 2014. Biologi dan Ilmu Lingkungan, Plantaxia, Yogyakarta E. K. Chafid Fandeli. 2012. Analisis Mengenai Dampak Lingkungan, Prinsip Dasar dalam Pembangunan. Gadjah Mada Press. Yogyakarta F. Aminatun, T., Suwasono, R. A., & Putri, R. A. (2021). Flora and fauna diversity in Selangkau forest: A basis for developing management plan of cement industrial complex in East Kalimantan, Indonesia. Biodiversitas Journal of Biological Diversity, 22(10). G. Aminatun, T., Rangpan, V., Prasojo, Z. H., & Andreyani, A. (2022). Sustainable community forest management in West Kalimantan: A case study of the Dayak Katab Kebahan community. Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan (Journal of Natural Resources and Environmental Management), 12(1), 158-174. H. Suhartini, S. (2009). Kajian kearifan lokal masyarakat dalam pengelolaan Sumberdaya alam dan lingkungan. In Prosiding Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA (pp. 206-218).