

Module designation	Laboratory Work in Environmental Science		
Semester(s) in which the module is taught	Even		
Person responsible for the module	Prof. Dr. Tien Aminatun, and Atik Kurniawati, M.Pd.		
Language	Bahasa Indonesia		
Relation to curriculum	Compulsory		
Teaching methods	Lab works, project, seminar, exam		
Workload (incl. contact hours, self-study hours)	Total workload is 46 hours per semester which consists of 170 minutes lab work per week for 16 weeks.		
Credit points	1 SKS (1.6 ECTS)		
Required and recommended prerequisites for joining the module	Ecology		
Module objectives/intended learning outcomes	PLO-1, PLO-2, PLO-3, PLO-4, PLO-5, PLO-6, PLO-7, PLO-9, PLO-1-, PLO-11		
Content	This course discusses the components of environmental system and its relationship, real problems and solutions including studying about natural and artificial environmental systems, water pollution and group projects.		
Examination forms	Presence, quiz, 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 (%)
	1	Kognitif	50
		Presence	15
		Quiz	15
		Final Semester Exam	20
	2	Participatory	50
		Case study	20
		Team Based Project	30
		<b>Total</b>	<b>100</b>

Reading list	<p>A. Miller, G.T. 2018. <i>Environmental Science</i>. Cengage Learning, Inc.</p> <p>B. Miller, Jr. G. T. and Spoolman, S. E. 2008. <i>Living in the Environment: Concepts, Connections, and Solutions</i>, 16th Edition. Cengage Learning, Inc.</p> <p>C. Chafid Fandeli. 2012. Analisis Mengenai Dampak Lingkungan, Prinsip Dasar dalam Pembangunan. Gadjah Mada Press. Yogyakarta.</p> <p>D. Otto Soemarwoto. 2004. Atur Diri sendiri, Paradigma Baru Pengelolaan Lingkungan Hidup. Gadjah Mada University Press. Yogyakarta.</p> <p>E. Aminatun, T., Suwasono, R. A., &amp; 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. <i>Biodiversitas Journal of Biological Diversity</i>, 22(10).</p> <p>F. Aminatun, T., Rangpan, V., Prasajo, Z. H., &amp; Andreyani, A. (2022). Sustainable community forest management in West Kalimantan: A case study of the Dayak Katab Kebahan community. <i>Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan (Journal of Natural Resources and Environmental Management)</i>, 12(1), 158-174.</p>
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