

Module Handbook

Module Name:	Environmental Science
Module Level:	Bachelor
Abbreviation, if applicable:	LKD101
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/term:	2 nd / First Year
Module coordinator(s):	Prof. Dr. Agoes Soegianto, DEA
Lecturer(s):	Drs. Noer Moehammadi, M.Kes Drs. Trisnadi W.C. P., M.Si
Language:	BahasaIndonesia
Classification within the curriculum	Compulsory Course / Elective Studies
Teaching format / class hours per week during semester:	2 hours lecturers (50 min per hours)
Workload:	2 hours lectures, 2 hours structured activity , 2 hours individual activity, 13 weeks per semester, total 78 hours per semester ~ 2.6 ECTS *
Credit Points:	2
Requirements:	-
Learning goals/competencies:	<p>General Competence (Knowledge):</p> <ol style="list-style-type: none"> 1. Students are able to explain the relationship between population growth, limited natural resources and environmental problems correctly. 2. Students are able to utilize the concepts and information from natural sciences (ecology, chemistry, geology, etc.) And social sciences (economics, legal, social, etc.) to explain how humans affect the environment and solve environmental problems being faced by human right <p>Specific Competence:</p> <ol style="list-style-type: none"> 1. Being able to elaborate on the concept of ecology 2. Being able to describe concepts of environmental science
Content:	Definition of ecology, environment and environmental sciences, the relationship between population growth, natural resources and environment, the concept of ecology, population, natural resources renewable, natural resources can not be updated, water pollution, air pollution, global climate change, the depletion layer ozone, solid waste, hazardous waste and safeguarding biodiversity.
Soft skill	Discipline and effort
Study/exam achievements:	Students are considered to be competent and pass if at least get 55 Final Score is caluced as follow: 35% middle examination (UTS), 35% Final examination (UAS), 20% assignment , 10% <i>Softskill</i>

	<p>Final index is defined as follows</p> <p>A: $100 > NA \geq 75$ AB: $74,9 \geq NA \geq 70$ B: $69,9 \geq NA \geq 65$ BC: $64,9 \geq NA \geq 60$ C: $59,9 \geq NA \geq 55$ D: $54,9 \geq NA \geq 40$ E: $39,9 \geq NA$</p>
Learning Methods	Lectures, discussion and assignment
Forms of Media:	LCD, laptop, White board
Literature:	<ol style="list-style-type: none"> 1. Holdgate, M.W. 1980. <i>A Perspective of Environmental Pollution</i>. Cambridge University Press, Cambridge. 2. Kumar, H. D. 1997. <i>General Ecology</i>. Vikas Publishing House PVT Ltd. New Delhi. 3. Soegianto A, 2005 . Ilmu Lingkungan . Airlangga University Press . Surabaya
Notes:	<p>*Total ECTS = $\{(total\ hours\ workload \times 50\ min) / 60\ min\} / 25\ hours$ Each ECTS is equals with 25 hours</p>