	Universitas Negeri Surabaya Faculty of Social and Legal Sciences Geography Education Undergraduate Study Program	Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Environmental Geography & Natural Resources	8720202038		T=2	P=0	ECTS=3.18	6	July 18, 2024

AUTHORIZATION	SP Developer	Course Cluster Coordinator	Study Program Coordinator
	.....	.....	Dr. Nugroho Hari Purnomo, S.P., M.Si.

Learning model	**Case Studies**
Program Learning Outcomes (PLO)	**PLO study program that is charged to the course**
	Program Objectives (PO)
	PLO-PO Matrix

	P.O

PO Matrix at the end of each learning stage (Sub-PO)

P.O	Week															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Short Course Description	This course discusses resource concepts related to policies for managing natural, human and environmental resources, the influence of resource use on the environment, and determining appropriate policies in utilizing natural resources and the social environment.
References	**Main :**

1. . Referensi :
2. a. Castree, N, et. al. 2009, 2000. A companion to environmental geography. A John Wiley & sons, Lt., publication
3. b. Enger, E. and Smith, B. 2010. 13 th Environmental science a study of interrelationships, Mc Graw Hill.
4. c. Hester, RE and Harrison, RM. 2010. Ecosystem services. RSC publishing.
5. d. Campbell, S. and Norman, J. 1998. An introduction to environmental biophysics 2 nd. Springer.
6. e. Szabo, J., et al. 2006. Antropogenic geomorphology, a guide to man-made landforms. Springer.
7. f. Newman, E. 2006. Applied ecology and environmental management. Blackwell publishing;
8. g. Ralph, D. 2008. Assessing climate change. Springer Praxis publishing.
9. h. Skidmore, E. 2002. Environmental modelling with GIS and Remote Sensing. Taylor and Francis.
10. i. National reseacrh council. 2008. Ecological impact of climate change. The national academies press
11. j. Pepper, I., et al. 2006. Environmental & pollution science. Elsiever

	Supporters:
Supporting lecturer	Prof. Dr. Ketut Prasetyo, M.S. Dr. Muzayanah, S.T., M.T. Dr. Eko Budiyanto, S.Pd., M.Si.

Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [Estimated time]		Learning materials [References]	Assessment Weight (%)
		Indicator	Criteria & Form	Offline (*offline*)	Online (*online*)		

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Students are able to understand the meaning of environmental geography and natural resources	Able to describe the definition of environmental geography and natural resources	**Criteria:** - Participation 20% - Tasks 30%	Discussion and reflection 2 X 50			0%
2	Students are able to understand water resources	Be able to describe water resources	**Criteria:** 1.- 20% participation 2.- 30% Duty	Discussion and reflection 2 X 50			0%
3	Students are able to understand surface water problems	Able to describe surface water problems	**Criteria:** 1.- 20% participation 2.- 30% duty	Discussion and reflection 2 X 50			0%
4	Students are able to understand groundwater resource problems	Be able to describe groundwater resources	**Criteria:** 1.- 20% participation 2.- 30% duty	Discussion and reflection 2 X 50			0%
5	Students are able to understand groundwater resource problems	Be able to describe groundwater resources	**Criteria:** 1.- 20% participation 2.- 30% duty	Discussion and reflection 2 X 50			0%
6	Students are able to understand aspects of water resources management	Able to describe aspects of water resources management	**Criteria:** 1.- 20% participation 2.- 30% duty	Discussion and reflection 2 X 50			0%
7	Students are able to understand aspects of water resources management	Able to describe aspects of water resources management	**Criteria:** 1.- 20% participation 2.- 30% duty	Discussion and reflection 2 X 50			0%
8	UTS	UTS	**Criteria:** UTS - 20%	UTS 2 X 50			0%
9	Students are able to understand land and water resources	Able to describe land and water resources	**Criteria:** 1.- 20% participation 2.- 30% duty	discussion and reflection 2 X 50			0%
10	Students are able to understand soil and water conservation methods	explain soil and water conservation methods	**Criteria:** 1.- 20% participation 2.- 30% duty	discussion and reflection 2 X 50			0%
11	Students are able to understand soil and water conservation methods	explain soil and water conservation methods	**Criteria:** 1.- 20% participation 2.- 30% duty	discussion and reflection 2 X 50			0%
12	Students are able to understand watershed conservation	Able to explain watershed conservation	**Criteria:** 1.- 20% participation 2.- 30% duty	discussion and reflection 2 X 50			0%
13	Students are able to understand the carrying capacity and capacity of the environment	Able to describe the carrying capacity and carrying capacity of the environment	**Criteria:** 1.- 20% participation 2.- 30% duty	Discussion and reflection 2 X 50			0%
14	Students are able to understand how to calculate DDL	Able to explain how to calculate DDL	**Criteria:** 1.- 20% participation 2.- 30% duty 3.- UTS 20% 4.- UAS 30%	discussion and reflection 2 X 50			0%
15	Students are able to understand how to calculate DDL	Able to explain how to calculate DDL	**Criteria:** 1.- 20% participation 2.- 30% duty 3.- UTS 20% 4.- UAS 30%	discussion and reflection 2 X 50			0%
16							0%

Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
		0%

Notes

1. **Learning Outcomes of Study Program Graduates (PLO - Study Program)** are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
2. **The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
5. **Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
6. **Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
7. **Forms of assessment:** test and non-test.
8. **Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
9. **Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
10. **Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
11. **The assessment weight** is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
12. TM=Face to face, PT=Structured assignments, BM=Independent study.