



Universitas Negeri Surabaya
Faculty of Social Sciences and Law,
Social Sciences Education Undergraduate Study Program

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight	SEMESTER	Compilation Date																																										
Natural Disaster Studies	8420703045		T=3 P=0 ECTS=4.77	7	July 18, 2024																																										
AUTHORIZATION	SP Developer		Course Cluster Coordinator	Study Program Coordinator																																											
	Dr. Nuansa Bayu Segara, S.Pd., M.Pd.																																											
Learning model	Case Studies																																														
Program Learning Outcomes (PLO)	PLO study program which is charged to the course																																														
	Program Objectives (PO)																																														
	PLO-PO Matrix																																														
		P.O																																													
	PO Matrix at the end of each learning stage (Sub-PO)																																														
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="width: 5%;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 2%;">1</td> <td style="width: 2%;">2</td> <td style="width: 2%;">3</td> <td style="width: 2%;">4</td> <td style="width: 2%;">5</td> <td style="width: 2%;">6</td> <td style="width: 2%;">7</td> <td style="width: 2%;">8</td> <td style="width: 2%;">9</td> <td style="width: 2%;">10</td> <td style="width: 2%;">11</td> <td style="width: 2%;">12</td> <td style="width: 2%;">13</td> <td style="width: 2%;">14</td> <td style="width: 2%;">15</td> <td style="width: 2%;">16</td> </tr> </table>														P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																															
Short Course Description	Able to identify types of disasters geologically, climatologically and geomorphologically. Able to identify the vulnerability of landslides, floods, earthquakes, tsunamis, volcanic eruptions and droughts which are examples of natural disasters that will threaten Indonesian territory at any time. As well as social disasters, social conflicts, such as underdevelopment, mismanagement of social structures, mismanagement of natural resources. Identifying hazard, vulnerability, capacity and risk characteristics in the form of spatial data. Develop disaster mitigation directions in spatial form.																																														
References	Main :																																														
	<ol style="list-style-type: none"> 1. Agung Mulyo.2004. Pengantar Ilmu Kebumihan, Bandung : Pustaka Setia 2. Alik Ismail-Zadeh, J. U. 2014. Extreme Natural Hazards, Disaster Risks and Societal Implications. Cambridge: Cambridge. 3. Coburn and Spence. 1994. Disaster Mitigation , United Kingdom : Cambridge Arschitectura. 4. Christopher B. Field, V. B. 2012. Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation. Cambridge: Cambridge. 5. Irasema Alcántara-Ayala, A. S. 2014. Geomorphological Hazards and Disaster Prevention. Cambridge: Cambridge. 																																														
	Supporters:																																														
Supporting lecturer	Prof. Dr. Ketut Prasetyo, M.S. Dian Ayu Larasati, S.Pd., M.Sc.																																														
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 scope and objectives of the disaster studies course	Know the objectives, scope of discussion, lecture procedures on natural disaster studies	Criteria: formative	- Pulpit lecture - Question and answer. - Discussion 3 X 50			0%																																								

2	Students are able to understand the scope and objectives of the disaster studies course	Know the objectives, scope of discussion, lecture procedures on natural disaster studies	Criteria: formative	- Pulpit lecture - Question and answer. - Discussion 3 X 50			0%
3	Students are able to understand the meaning and scope of concepts directly related to disasters, such as disaster, vulnerability, danger, risk and disaster mitigation	- explain the meaning of disaster - Explain the concept of vulnerability	Criteria: formative	- Pulpit lecture - Question and answer. - Discussion 3 X 50			0%
4	Students are able to understand the meaning and scope of concepts directly related to disasters, such as disaster, vulnerability, danger, risk and disaster mitigation	- explain the meaning of disaster - Explain the concept of vulnerability	Criteria: formative	- Pulpit lecture - Question and answer. - Discussion 3 X 50			0%
5	Students are able to describe Indonesia's geological position, climatological and geomorphological conditions and their implications for potential disasters	- Explaining the geological position - Describing the geological position of the Indonesian archipelago through a map of the interface between the plates - Explaining the impact of disasters that are most likely to occur in Indonesia as a result of the geological position - Describing the reality of the ring of fire for the Indonesian archipelago - Explaining the impact of disasters that are most likely to occur in Indonesia as as a result of climatological and geomorphological conditions	Criteria: formative	- Pulpit lectures - Assignments - 3 X 50 discussions			0%
6	Students are able to describe Indonesia's geological position, climatological and geomorphological conditions and their implications for potential disasters	- Explaining the geological position - Describing the geological position of the Indonesian archipelago through a map of the interface between the plates - Explaining the impact of disasters that are most likely to occur in Indonesia as a result of the geological position - Describing the reality of the ring of fire for the Indonesian archipelago - Explaining the impact of disasters that are most likely to occur in Indonesia as as a result of climatological and geomorphological conditions	Criteria: formative	- Pulpit lectures - Assignments - 3 X 50 discussions			0%

7	Students are able to describe Indonesia's geological position, climatological and geomorphological conditions and their implications for potential disasters	<ul style="list-style-type: none"> - Explaining the geological position - - Describing the geological position of the Indonesian archipelago through a map of the interface between the plates - - Explaining the impact of disasters that are most likely to occur in Indonesia as a result of the geological position - - Describing the reality of the ring of fire for the Indonesian archipelago - - Explaining the impact of disasters that are most likely to occur in Indonesia as a result of climatological and geomorphological conditions 	Criteria: formative	<ul style="list-style-type: none"> - Pulpit lectures - - Assignments - - 3 X 50 discussions 			0%
8	UTS	UTS		UTS 3 X 50			0%
9	Students are able to analyze the occurrence of earthquake and tsunami disasters	<ul style="list-style-type: none"> - Explaining the meaning of an earthquake - - Identifying the factors that cause earthquakes - - Classifying types of earthquakes - - Identifying actions that need to be taken by residents when an earthquake occurs - - Explaining the relationship between earthquakes and the chance of tsunamis - - Describing the concept of disaster-oriented development 	Criteria: formative	<ul style="list-style-type: none"> - Demonstration - Discussion - 3 X 50 			0%
10	Students are able to analyze the occurrence of earthquake and tsunami disasters	<ul style="list-style-type: none"> - Explaining the meaning of an earthquake - - Identifying the factors that cause earthquakes - - Classifying types of earthquakes - - Identifying actions that need to be taken by residents when an earthquake occurs - - Explaining the relationship between earthquakes and the chance of tsunamis - - Describing the concept of disaster-oriented development 	Criteria: formative	<ul style="list-style-type: none"> - Demonstration - Discussion - 3 X 50 			0%

11	Students are able to analyze the occurrence of volcanic eruption disasters	<ul style="list-style-type: none"> - Explain the process of volcanic eruptions - Analyze variations in types of volcanic eruptions - Describe the characteristics of pre-volcanic symptoms - Describe the characteristics of post-volcanic symptoms - Analyze variations in volcanic materials - Explain the actions that residents need to take when a volcanic eruption occurs - Describe the zoning of areas affected by eruptions through maps 	Criteria: formative	<ul style="list-style-type: none"> - Demonstration - Question and answer 3 X 50 			0%
12	Students are able to analyze the occurrence of volcanic eruption disasters	<ul style="list-style-type: none"> - Explain the process of volcanic eruptions - Analyze variations in types of volcanic eruptions - Describe the characteristics of pre-volcanic symptoms - Describe the characteristics of post-volcanic symptoms - Analyze variations in volcanic materials - Explain the actions that residents need to take when a volcanic eruption occurs - Describe the zoning of areas affected by eruptions through maps 	Criteria: formative	<ul style="list-style-type: none"> - Demonstration - Question and answer 3 X 50 			0%
13	Students are able to analyze the occurrence of floods, droughts and landslides	<ul style="list-style-type: none"> - Explain the process of disasters caused by climatological conditions - Describe the characteristics of disasters due to climatological conditions - Identify the characteristics of climatological disasters - Analyze climatological disasters - Explain the actions that need to be taken by residents when floods, droughts and landslides occur - Describe the zoning of areas affected by climatological disasters via map 	Criteria: formative	<ul style="list-style-type: none"> - Demonstration - Performance 3 X 50 			0%

14	Students are able to analyze the occurrence of floods, droughts and landslides	- Explain the process of disasters caused by climatological conditions - Describe the characteristics of disasters due to climatological conditions - Identify the characteristics of climatological disasters - Analyze climatological disasters - Explain the actions that need to be taken by residents when floods, droughts and landslides occur - Describe the zoning of areas affected by climatological disasters via map	Criteria: formative	- Demonstration - Performance 3 X 50			0%
15	Students are able to analyze the occurrence of floods, droughts and landslides	- Explain the process of disasters caused by climatological conditions - Describe the characteristics of disasters due to climatological conditions - Identify the characteristics of climatological disasters - Analyze climatological disasters - Explain the actions that need to be taken by residents when floods, droughts and landslides occur - Describe the zoning of areas affected by climatological disasters via map	Criteria: formative	- Demonstration - Performance 3 X 50			0%
16							0%

Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
		0%

Notes

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Forms of assessment:** test and non-test.
- 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.
- 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.