# A. Lesson Plan and Course Assessment

			Faculty of	of Social	egeri Surabaya Sciences and Law ation Department			Document Code
UNESA			Ι	Lesson	Plan			
CO	URSE		Code		Cluster	Credits	Semester	Compilation Date
<b>Disaster Geography</b>	7		8720202034	Geograf	ï Terpadu	T =0,68 P = 1,41	2	5 Agustus 2020
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Program Learning	Program I	Learning Out	comes (PLO)					
Outcome (PLO)	PLO-3	Able to pro research	cess, analyze, present geo	osphere d	ata and information u	ising geospatial techn	ology for geogra	phy learning and
	PLO-6		e appropriate decisions in ts of analysis of informatic		01	in the field of geograp	hy and geography	education, based
	PLO-9		y regional theory for susta			velopment		
	PLO-11		e a responsible attitude to					
	<b>Course Le</b>	arning Outco	ome (CLO)		<b>^</b>	• •		
	CLO-3	Able to proc	ess, analyze, present data	and infor	mation on disaster risl	areas for geography	learning and rese	arch
	CLO-6	Able to mak analysis	e appropriate decisions in	the conte	ext of solving disaster ri	sk problems based on	the results of info	ormation and data
	CLO-9	Able to appl	y disaster risk theory to a	n area as	a basis for sustainable	regional planning and	development	
	CLO-11	Demonstrat	e a responsible attitude to	wards th	e prepared disaster risl	k analysis		
		arning Outco						
	LLO-1		ess, analyze, present disas		č ,			
	LLO-2		ess, analyze, present valid					0)
	LLO-3 LLO-4		ess, analyze, present infor		1	,	LU-3, LLU-6, LLU	-9]
	LLO-4 LLO-5	11	y disaster hazard theory in y the theory of vulnerabili			,		
	LLO-5 LLO-6	* *	y the theory of capacity to					
	LLO-0 LLO-7		y the theory of disaster ris					
				, in an a		··· j		

	Correlation between	PLO/CLO to	LLO						
		LLO-1	LLO-2	LLO-3	LLO-4	LLO-5	LLO-6	LLO-7	
	PLO-3/CLO-3								
	PLO-6/CLO-6								
	PLO-9/CLO-9		<u> </u>						
	PLO-11/CLO-11		√		$\checkmark$	√			
Course	Able to identify types			limatologica	lly and goom	orphologicall	y Able to ide	ntifu uuln orahi	lity to landslides flood
Course									lity to landslides, floods
Description									he territory of Indonesi
						-	•		ures, mis management c
	natural resources. Ider spatial. Develop disast	•				capacities and	u risks in the i	orm of data	
						the tonics of a	aomornholog		, hydrology, meteorology
	-								and remote sensing. Th
					-				as well as capacity. Whil
	the technological aspec		•			in aynamics, n		or vulnerability a	as well as capacity. will
			potentiarior		reduction.				
Learning	Learning materials								
Materials	1. Disaster managen	nent based on	applicable l	aws					
-interints	2. Official institution				tion				
	3. Indonesia's geolog								
	4. Indonesia's climat	tological posit	tion						
	5. Potential hazards					ods, droughts,	fires, putting	money	
	6. Aspects of human								
	7. Aspects of environ								
	8. Aspects of human			ge, social, ec	onomic facto	ors			
	9. Disaster risk anal		m of maps						
	10. Disaster risk map								
References	Primary								
	1. Agung Mulyo (200								
	2. Alik Ismail-Zadeh						-	ns. Cambridge:	Cambridge.
	3. Coburn and Spend								
	4. Edited by Christop			Managing th	ne Risks of Ex	xtreme Event	s and Disaster	rs to AdvanceC	limate Change
	Adaptation. Camb						. –		
	5. Edited by Irasema	i Alcántara-Ay	7ala, A. S. (20	114). Geomo	rphological H	Hazards and E	Disaster Preve	ntion. Cambric	Ige: Cambridge

		7. Weste Inforr	l by Jonathan Rougier, S. S. ( en, C V., 2007, Geo-informat nation Science and Earth Ol	ion for Disaster Mana				for Geo-
Lectu	rer(s)		roho Hari Purnomo, M.Si. vu Larasati, S.Pd.,M.Sc.					
Prere	quisite	-						
			Assessn	nent	Learning Activities a	and Time Allotment		
Week	Learning Ob	jectives	Indicators	Criteria/Form/ Type	Offline	Online	Learning Sources	Scoring
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)
1	LLO-1: Able to underst scope and object eye courses dis geography court	ctives of aster	1.1. Knowing the purpose, scope of discussion, lecture procedures	Criteria: Description rubric	Cooperative Learning Course [M : 1 (2x50')] [M+I : (1+1) x (2X60')]	Vlearning <u>http://vlearning.u</u> nesa.ac.id	Theory: - Destination - Scope References: - Source 1 - Source 2	5
2	LLO-2: Able to underst meaning and so concepts direct to disasters, sud disasters, vulne hazards, risk ar mitigation	cope of the ly related ch as erabilities,	<ul><li>2.1. Understanding the meaning of disaster</li><li>2.2. Explain the concept of vulnerability</li></ul>	Criteria: Performance rubric	Project Base Learning Course Small Group Discussion [M : 2 (2x50')] Task 1 - Result of disaster risk analysis [M+I : (2+2) x (2X60')]	Vlearning <u>http://vlearning.u</u> <u>nesa.ac.id</u>	Theory: - Disaster - vulnerability - Dangers and risks References: - Source 2 - Source 3 - Source 4	5
3	LLO-3: Able to explain meaning, scope objectives of di mitigation	and	<ul> <li>3.1 Explaining the meaning of disaster mitigation</li> <li>3.2 Describing the scope of disaster mitigation</li> <li>3.3 Explaining the</li> </ul>	Criteria: Performance rubric	<b>Project Base</b> Learning Course Small Group Discussion	Vlearning http://vlearning.u nesa.ac.id	Theory: - Definition of mitigation - Mitigation in the reality of society	15

		purpose and nature of disaster mitigation 3.4 Explaining the reasons for the importance of disaster mitigation in the reality of people's lives		[M : 2 (2x50')] Task 2 Disaster mitigation report [M+I : (2+2) x (2X60')]		References: - Source 1 - Source 5 - Source 6	
4-5	LLO-4: Able to describe geological position Indonesia, climatological and geomorphological conditions and their implications against potential disasters	<ul> <li>4.1. Describe the geological position</li> <li>4.2 Describing the geological position of the Indonesian archipelago through a map of the meeting between plates</li> <li>4.3 Describe the most likely disaster impact in Indonesia as a result of geological position</li> <li>4.4 Describing the reality of the ring of fire for the Indonesian archipelago</li> <li>4.5 Describe the most likely impact of disasters in Indonesia as a result of geological position</li> </ul>	Criteria: Description rubric	Project Base Learning Course [M : 2 (2x50')] Task 3 Regional disaster risk [M+I : (2+2) x (2X60')]	Vlearning http://vlearning.u nesa.ac.id	Theory: - Geological position - Climatological conditions - Geomorphological conditions References: - Source 2 - Source 3 - Source 4	10
6-7	LLO-5: able to analyze earthquake and tsunami disaster	<ul><li>5.1 Explain the meaning of earthquake</li><li>5.2 Identifying factors that cause earthquakes</li></ul>	Criteria: Description rubric	Project Base Learning Course [M : 2 (2x50')]	Vlearning <u>http://vlearning.u</u> <u>nesa.ac.id</u>	Theory: - Earthquake - Tsunami - Disaster-oriented development	10

		<ul> <li>5.3 Classifying the types of earthquakes</li> <li>5.4 Identify actions that residents need to take when an earthquake occurs</li> <li>5.5 Explain the relationship between earthquakes and the probability of a tsunami</li> <li>5.6 Describing the concept of disaster-oriented development</li> </ul>		Task 4 Create a disaster- oriented development concept [M+I : (2+2) x (2X60')]		References: - Source 2 - Source 5 - Source 7	
8	Mid-Term Exam : Analyzi						
9-10	LLO-6: able to analyze the occurrence of volcanic eruption disasters	<ul> <li>6.1 Explain the process of volcanic eruptions</li> <li>6.2 Analyzing variations in the types of volcanic eruptions</li> <li>6.3 Describe the characteristics of pre-volcanic symptoms</li> <li>6.4 Describe the characteristics of post-volcanic symptoms</li> <li>6.5 Analyzing variations in volcanic material</li> <li>6.6 Explain the actions that residents need to take when a volcanic eruption occurs</li> <li>6.7 Describing the zoning of the area</li> </ul>	Criteria: Performance rubric	Project Base Learning course [M : 4 (2x50')] Task 5 - Volcanic eruption analysis report [M+BM : (4+4) x (2x60')]	Vlearning http://vlearning.u nesa.ac.id	Theory: - Volcanic eruption References: - Source 2 - Source 3 - Source 4 - Source 6	20

		affected by the eruption through a map					
	LLO-7: capable analyzing the occurrence of floods, droughts and landslides	<ul> <li>7.1 Explain the process of occurrence of disasters caused by climatological conditions</li> <li>7.2 Describe the characteristics of disasters due to climatological conditions</li> <li>7.3 Identify characteristics of climatological disasters</li> <li>7.4 Analyzing climatological disasters</li> <li>7.5 Explain the actions that residents need to take when floods, droughts and landslides occur</li> <li>7.6 Describing the zoning of areas affected by climatological disasters through maps</li> </ul>	Criteria: Performance rubric	Project Base Learning Course Small Group Discussion [M : 3 (2x50')] Task 6 Climatological disaster analysis [M+I : (2+2) x (2X60')]	Vlearning http://vlearning.u nesa.ac.id	Theory: - Climatological conditions - Floods - Drought disaster - Landslide disaster - Disaster impact References: - Source 2 - Source 3 - Source 4 - Source 6	20
13	LLO-8: able to identify the dynamics of social disasters	<ul> <li>8. 1 Explain the meaning of social disaster</li> <li>8.2 Identifying the various types of social disasters</li> <li>8.3 Explain the various factors that cause</li> </ul>	Criteria: Performance rubric	Project Base Learning Kuliah Small Group Discussion [M : 1 (2x50')]	Vlearning <u>http://vlearning.u</u> <u>nesa.ac.id</u>	Theory: - Social Disaster References: - Source 2 - Source 7 - Source 9	5

		social disasters 8.4 Identify efforts to anticipate social disasters 8.5 Identify various strategic efforts in overcoming the occurrence of social disasters		Task 7 Report on the results of the analysis of social disaster mitigation strategies [M+I : (1+1) x (2X60')]		- Source10	
14	LLO-9: Able to understand Insightful development concept Disaster	<ul> <li>9.1 Identifying the meaning and scope of development</li> <li>9.2 Explaining the importance of development efforts to accommodate disaster potential</li> <li>9.3 Identify various disaster-based development efforts</li> </ul>	Kriteria: Rubrik deskripsi	Project Base Learning Course Small Group Discussion [M : 1 (2x50')] Task 8 Report on the results of the analysis of disaster-based development efforts [M+I : (1+1) x (2x60')]	Vlearning <u>http://vlearning.u</u> <u>nesa.ac.id</u>	Theory: - Disaster-based development References: - Source 3 - Source 6 - Source 8 - Source 10	5
15	LLO-10: Able to identify different types of policies the government that associated with countermeasures disaster and develop disaster mitigation directives in spatial form	<ul> <li>10.1 Explaining the meaning and purpose of the policy</li> <li>10.2 Identifying the background for integrating disaster in development policies</li> <li>10.3 Provide examples of development policies in Indonesia that are directly</li> </ul>	Criteria: Description rubric	Project Base Learning Course Small Group Discussion [M : 1 (2x50')] Task 9 Spatial mitigation analysis report [PT+BM : (1+1) x (2X60')]	Vlearning <u>http://vlearning.u</u> <u>nesa.ac.id</u>	Theory: Disaster mitigation in spatial form References: - Source 5 - Source 6 - Source 8 - Source 10	5

	related to disaster 10. 4 Provide examples of disaster management policies in several developed countries, such as Japan and the USA 10.5 Prepare disaster mitigation directives	
	mitigation directives	
	in spatial form	
16	Final-Term Exams	

### B. Calculation of Student Workload

Credit Unit (CU)	ECTS	Meeting Hours	Structured Assignments	Independent Study
2 CU	3,18	1400 minutes	1680 minutes	1680 minutes

### **APPENDICES**

### **APPENDIX 1 ASSESSMENT RUBRIC**

### **Course Assessment**

### A. Assessment Rubric

### 1) Attitudes/Affective Domain

In this domain, the evaluation of student participation in class includes communication skills, discipline and responsibility. The rubrics used are as follows:

Criteria	Score
Communicate effectively, appreciate others opinions; always attend the class on time; always submit the assignment on time; and always participate in the completion of group assignment	85 ≤ SA ≤ 100
Communicate effectively, appreciate others' opinions; 80% of attendance; submit 90% of the assignment; and often participate in the completion of group assignment.	70 ≤ SA < 85
Communicate ineffectively, appreciate others' opinions; 75% of attendance; submit the 70% of assignment on time; and participate in the completion of group assignment.	55 ≤ SA < 70
Communicate ineffectively, do not appreciate others' opinions; rarely attend the class; rarely submit the assignment; and rarely participate in the completion of group assignment	≤ SA < 55

# 2) Knowledge/Cognitive Domain

The students' knowledge is assessed through assignments (individual and group) and tests (mid-term and End-term tests).

### a. Assignment Rubric

The criteria of assignment according to Assignment Rubrics:

No	Aspects	Max. Score
1	Able to understand the meaning and scope of concepts directly related to disasters, such as disaster, vulnerability, hazard, risk and disaster mitigation (Excellent = 3, Good = 2, Fair = 1)	5
2	Able to explain the meaning, scope and objectives of disaster mitigation (Excellent = 3, Good = 2, Fair = 1)	15
3	Able to describe Indonesia's geological position, climatological and geomorphological conditions and their implications for potential disasters (Excellent = 3, Good = 2, Fair = 1)	10
4	Able to create mapping area polygons (Excellent = 3, Good = 2, Fair = 1)	10
5	Able to analyze the occurrence of volcanic eruption disasters (Excellent = 3, Good = 2, Fair = 1)	20
6	Able to analyze the occurrence of floods, droughts and landslides (Excellent = 3, Good = 2, Fair = 1)	20

7	Able to identify various types of policies government related to tackling disaster and develop disaster mitigation directives in spatial form (Excellent = 3, Good = 2, Fair = 1)	5
8	Able to understand the concept of disaster-oriented development (Excellent = 3, Good = 2, Fair = 1)	5
9	Able to identify various types of policies government related to disaster management and prepare disaster mitigation directives in spatial form (Excellent = 3, Good = 2, Fair = 1)	5

# b) Test (mid-term and End-term tests)

The criteria of mid-term and End-term tests in this course are:

- 1. The ability to give answers correctly according to the key and rubrics;
- 2. The ability to provide robust argumentation according to theory;
- 3. The ability to provide systematic explanations; and
- 4. The ability to apply the essential concepts in a particular situation comprehensively.

5.

# B. Universitas Negeri Surabaya's Grading System

University students are considered to be competent and pass if at least get 40% of themaximum End-term grade. The End-term grade (NA) is calculated based on the following weight:

Assessment Components	Percentage
Participation (including attitudes/affective)	20%
Assignment	30%
Mid-term test	20%
End-term test	30%

### **Scoring Conversion**

Scoring Interval (out of 100)	Point	Grade
$85 \le NA \le 100$	4.00	А
$80 \le NA < 85$	3.75	A-
75 ≤ NA < 80	3.50	B+
70 ≤ NA < 75	3.00	В
65 ≤ NA < 70	2.75	В-
$60 \le \text{NA} < 65$	2.50	C+
55 ≤ NA < 60	2.00	С
$40 \le \text{NA} < 55$	1.00	D
$0 \leq \text{NA} < 40$	0	Е