Anan College			Year	Year 2024				Disaster Prevention					
Course	Informa	tion											
Course Co		5416C02	2		Course Category AC / Com			npulsory					
Class Format Lecture					Credits Academic			· · · · ·					
Department Course of			Civil Engineering				Adv. 1st						
Term		First Sen	ester		Classes per Week 前期:2								
Textbook Teaching		Fuchida	et al. : kankyo • to	al. : kankyo • toshi system kyouk		oousaik	ougaku, I	korona sha					
	Instructor Osada Kengo,Inoue Takafumi												
Course	Objectiv	es											
2. Able to 3. Able to 4. Able to 5. Able to	explain g explain v explain d explain c	eological dis olcanic disa isasters reg pastal disas	sasters and their or sters and their co	lebris flow and the untermeasures.		sures.							
Rubric													
			Ideal Level		Standard Level			Minimum Level					
Course Objective 1			Able to give detailed explanations about earthquake disasters and their countermeasures with concrete examples.		Able to give explanations about earthquake disasters and their countermeasures with examples.		and their	Able to mention examples of earthquake disasters. However, not able to explain the countermeasures sufficiently.					
Course Ol	bjective 2		Able to give de explanations al disasters and t countermeasur examples.	oout geological	Able to give explanations about geological disasters and their countermeasures with examples.			t Able to mention examples of geological disasters. However, not able to explain the countermeasures sufficiently.					
Course Ol	bjective 3		Able to give detailed explanations about volcanic disasters and their countermeasures with concrete examples.		Able to give explanations about volcanic disasters and their countermeasures with examples.		their	Able to mention examples of volcanic disasters. However, not able to explain the countermeasures sufficiently.					
Course Ol	bjective 4		Able to thoroughly explain disasters regarding river and debris flow and these countermeasures.		Able to explain disasters regarding river and debris flow and these countermeasures.			Able to slightly explain disasters regarding river and debris flow and these countermeasures.					
Course Ol	bjective 5		Able to thoroughly explain coastal disasters and these countermeasures.		Able to explain coastal disasters and these countermeasures.			Able to slightly explain coastal disasters and these countermeasures.					
Course Ol	bjective 6		Able to thoroug recovery and re from disaster.			recove from d	ery and isaster.	Able to slightly explain recovery and reconstruction from disaster.					
Assigne A-3 D-1	d Depar	tment Ob	jectives										
	a Motha	d											
Teachin	g Metho					A							
Outline In recent years, many large disasters have been occurring. A learner studies disasters regarding rivers, and coastal and these countermeasures.							s disasters regarding earthquakes,						
Style In the first quarter, you will learn about countermeasures against earthquake disasters, geological disasters, and volcanic disasters, including basic matters such as the mechanism of earthquakes. In the second quarter of this class, students learn countermeasures against disasters regarding water: flood flow, inundation flow, debris flow, tsunamis, and high tides. (The learning time: 30 hours, The self-study time: 60 hours)													
Notice													
Charact	eristics of	of Class /	Division in Le	arning				1					
Active	Learning		□ Aided by IC	Т	Applicable to Remote Class			Instructor Professionally Experienced					
Course	Plan												
			Theme			Goals							
1st Semeste r	1st Quarter	1st	arthquake disaster			Able to explain the characteristics of direct damage and secondary disasters caused by earthquakes. Able to explain the damage of various structures due to earthquakes and countermeasures.							
		2nd	Earthquake disas				Able to explain the basic concept of the seismic design method for structures.						
		3rd	arthquake disaster			Able to explain the characteristics of direct damage and secondary disasters caused by earthquakes. Able to explain the damage of various structures due to earthquakes and countermeasures.							
		4th	Earthquake disas		Able to explain the basic concept of the seismic design method for structures.								
		5th	Geological disaste		Able to explain ground subsidence and slope disasters.								

		6th	Geological disaster				Able to explain ground subsidence and slope disasters.				
	2nd Quarter	7th	Volcanic disaster				Able to explain volcanic disasters.				
		8th	Midterm examination								
		9th	Flood flow disaster				Able to explain flood flow disaster.				
		10th	Flood flow disaster				Able to explain flood flow disaster.				
		11th	Urban disasters by flood and inundation				Able to explain urban disasters by flood and inundation flow.				
		12th	Debris	flow		Able to explain the disaster of debris flow.					
		13th	Coasta	l disaster		Able to explain coastal disasters: high tides, tsunamis, and coast erosion and deposition disasters.					
		14th		Disaster countermeasure and disaster prevention planning				Able to understand disaster countermeasures and explain disaster prevention planning.			
		15th	Recovery and reconstruction from disaster				Able to explain recovery and reconstruction from a huge disaster.				
		16th	Return	of the final examir	nation result						
Evaluation Method and Weight (%)											
		Midterm/Final Exam		Quiz	Portfolio	Prese	entation/Attit	Other	Total		
Subtotal		70		0	30	0		0	100		
Basic Proficiency		20		0	10	0		0	30		
Specialized Proficiency		50		0	20	0		0	70		
Cross Area Proficiency		0		0	0	0		0	0		