Akashi College			Ye	ear	2021				Disaster Prevention System II	
Course	Informat	ion								
Course Co	ode	0036				Course Catego	ry	Specialized	d / Elective	
Class Format Lecture						Credits		Academic Credit: 2		
Department Architectur			ture and Ci	ure and Civil Engineering				Adv. 2nd		
Term Second Ser			emester			Classes per We	ek	2		
Textbook Teaching										
Instructor	-	SUMIO H	Hiroyuki	royuki						
Course	Objective	es								
to town p (2) Under disaster p	lanning wi stand and revention	th disaster can explai and reduct	preventior n the need ion efforts	in min and pro in deve	d, and methods for	or developing sc ng social infrastr ies. (F, H)	cial infr ucture	astructure	ural disasters, etc., approaches facilities. (F, H) at support towns, and the	
Rubric										
			Ideal Le	Ideal Level					Unacceptable Level	
Achievement 1			approad with dis mind, a develop	thes to the character property and metal ing soci	d can explain the town planning revention in nods for al infrastructure crete terms.	approaches to town planning with disaster prevention in mind, and methods for developing social infrastructure		anning on in r	Do not understand and cannot explain the approaches to town planning with disaster prevention in mind, and methods for developing social infrastructure facilities.	
Achievement 2				ion and		Can explain the disaster prevention and reduction efforts.			Cannot explain the disaster prevention and reduction efforts.	
Achievement 3			safe and	d secure	e development of e towns and in concrete	Can explain the development of safe and secure towns and urban systems.			Cannot explain the development of safe and secure towns and urban systems.	
Assigne	d Depart	ment Ob	jectives							
学習・教育	百標 (E) 学	習・教育目	- 標 (F) 学習	・教育国	∃標 (H)					
Teachin	g Metho	d								
social inf explain t disasters Outline towns. (1) Expla planning (2) Expla		irse will be taught by an instructor who was engaged in planning, construction, and management of frastructure facilities in Hyogo Prefecture for 33 years based on his experience. The lessons will the approaches to town planning with disaster prevention in mind to minimize the damage of natural s, etc. that hit cities and regions, and the development of social infrastructure facilities that support ain comprehensively both hard and soft approaches regarding natural disasters, etc. and town g to mitigate and prevent damage, and the development of social infrastructure facilities. ain practical approaches such as planning and development in accordance with the process of ing social infrastructure facilities and their characteristics.								
Style		Classes	vill be provided mainly in a lecture-style format. or this course at National Institute of Technology, Akashi College: Takao Miyoshi							
This course's content will amount to 90 hours of study in total. These hours include the learning time guaranteed in classes and the standard self-study time required for pre-study / review, and completing assignment reports. The course is open to students from any department. Classes will be taught as simp possible. Read the materials that will be distributed in advance, and understand the content well. Taking advantage of a small class size, lessons will focus on dialogs. Students who miss 1/3 or more of classes will not be eligible for a passing grade.								nclude the learning time // review, and completing asses will be taught as simply as nd the content well. Taking		
Charact	eristics o	of Class /	Division	in Lea	arning					
□ Active	Learning		□ Aide	d by IC	Т				☐ Instructor Professionally Experienced	
Course	Plan									
		Theme				Goals				
2nd Semeste r	3rd Quarter	1st	Know the dangers and disasters of cities and regions (1) Know man-made and natural disasters. Learn the experiences of and lessons from earthquake disasters such as the Great Hanshin Earthquake and the Great East Japan Earthquake.				Can explain the experiences of and lessons from earthquake disasters.			
		2nd	regions (2 Learn the disasters s which occu In light of) experie such as ur more disastei	ngers and disasters of cities and beriences of and lessons from natural n as floods caused by heavy rain, more frequently than earthquakes. asters in cities and regions, ws on disaster prevention and			Can explain the experiences of and lessons from natural disasters such as floods caused by heavy rains.		
		3rd	disaster pr Learn about (land use pathe develo	evention ut physic planning pment					e hard measures for safe and lanning with disaster prevention,	

		4th	Learn about safe a disaster preventior Learn about soft m public relations, ar strengthening hum capabilities. Exchange opinions	n, etc. in mind (2 neasures such as nd community de nan disaster prev) information, velopment for ention	Can explain the soft measures for safe and secure town planning with disaster prevention, etc. in mind.			
		5th	Design safe and se Study physical plar cases on landfills ir urban suburban ar cases in establishe opinions.	ecure cities and tons for new urban coastal areas, reas, and space d	owns development made land in levelopment	Can explain the design of safe and secure cities and towns.			
		6th	Development of so support safe and s Learn about hard a earthquakes and o facilities, which are facilities. Exchange opinions	ecure cities and to and soft measure ther disasters at the representative of	towns (1) es against water of lifeline	Can explain the development of social infrastructure facilities that support safe and secure cities and towns.			
		7th	Development of so support safe and s Learn about hard a disaster prevention facilities, which are prevention facilities Exchange opinions	ocial infrastructur ecure cities and t and soft measure n and reduction a e representative of s.	e facilities that towns (2) is for flood it river of disaster	Can explain the development of social infrastructure facilities that support safe and secure cities and towns.			
		oui	The process of dev facilities Learn about the co facilities, operation planning and decis management. Touch on business and environmental	oncept of social ir nalization and ope ion-making, cons	nfrastructure erating bodies, struction, and	Can explain the process of developing social infrastructure facilities.			
		9th	River facilities (1) Learn and exchang approaches to rive maintenance with environment in mir Invite practitioners as necessary.	ge opinions about r planning, devel disaster preventi nd.	opment, and on and the	Can explain river planning, development, and maintenance.			
		10th	River facilities (2) Learn and exchange and approaches to practical approach possible flood zone Invite practitioners as necessary.	general water co es such as how to es and create haz	ontrol and o draw ard maps.	Can explain the concepts of and approaches to general water control.			
	4th Quarter	11th	Road facilities Learn and exchang approaches to road maintenance with environment in mil Invite practitioners as necessary.	d plänning, devel disaster preventi nd.	opment, and on and the	Can explain the planning, development, and maintenance of road facilities.			
		12th	Water facilities Maintenance is imp facilities to work. L about practical app planning for water sustainable supply	earn and exchan proaches to asset facilities that pro	ige opinions : management	Can explain water facility asset management.			
		13th	Ports, fishing ports Learn and exchang approaches to port with measures aga disaster prevention mind. Invite practitioners as necessary.	ge opinions about t planning and de hinst longshore di n in fishing ports	t practical evelopment rift and and coasts in	Can explain port and coastal facility construction and measures against tsunamis.			
		14th	Residential land, K (landfill) As the most familia residential land saf As a large-scale so introduce the cons International Airpo	ar ground, learn fety, and exchang icial infrastructur truction process	about ge opinions. e facility,	Can explain residential land safety and the construction of made land.			
		15th	For construction er the future Talk about career porganization, and r Explain the assignr	paths by future c messages for und	ourse and derclassmen.	Can explain the role of construction engineers who will lead society in the future.			
			No final exam						
Evaluation			Veight (%)	Donort	Doha: ::-::	Dautf-1:-	Oth - ::	Tat-1	
Subtotal	0 0	amination	Efforts 50	Report 50	Behavior 0	Portfolio 0	Other 0	Total 100	
Japtotal			100	1	1 -	10		1100	

Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	50	50	0	0	0	100
Cross Area Proficiency	0	0	0	0	0	0	0