Akashi College				Year 2022			ourse Title	Introduction to building Construction			
Course :	Informat	tion									
Course Co	ode	4117				Course Catego	ry :	Specialize	ed / Compulsory		
Class Forr	nat	講義・演	일 -			Credits	Academic		Credit: 2		
Departme	ent	Architect	ture			Student Grade		1st			
Term		First Sen	nester			Classes per We	eek :	2			
Textbook Teaching		内田祥哉	、他:「	他:「建築構法第五版」市ヶ谷出版日本建築学会編著:「構造用教材」丸善							
Instructor	-	HIRAISH	HIRAISHI Toshihiro,SHOJO Naoya,KAKUNO Yoshinori,MOTOZUKA Tomoki								
Course	Objectiv	es		•		<u> </u>					
(1)Unders (2)Unders (3)To be a roof typol (4)Unders	stand the r stand the t able to use ogy terms stand the r	meaning of types of buile architecturelation bet	ilding s ire tech ween e	tructures a nnical termi environmen	e building structur nd their respective nology, such as th t and architecture nges it causes on b	e characteristics ne name of the s		al membe	ers: Column / Beam /Floor; and		
Rubric											
			Idea	al Level		Standard Level			Unacceptable Level		
Achievement 1			the		ell understands f learning about ure.	The student understands the meaning of learning about building structure.		nds the oout	The student doesn't understand the meaning of learning about building structure.		
Achievement 2			the		ell understands pes of structure eristics.		dent I understands the types of structure and acteristics.		The student doesn't understand the different types of structure and its characteristics.		
Achievement 3			tern	ns such as	n well use basic the name of the s of structure,	The student can use basic erms such as the name of the elements, types of structure, etc.		ne of the	The student can't use basic terms such as the name of the elements, types of structure, etc.		
Achievement 4			the	relationship	ell understands b between nd architecture	The student understands the relationship between environment and architecture			The student doesn't understand the relationship between environment and architecture		
Achievement 5			disa rela	disaster preparation and its		The student understands disaster preparation and its relationship with building technology		nd its	The student doesn't understand disaster preparation and its relationship with building technology		
Assigne	d Depart	tment Ob	ojectiv	/es							
	•										
Outline	Teaching Method The students will understand how buildings are built and learn the basic architecture technical. The course valso raise their interest in matters related to architecture. Through the assignments, the students will deeped their understanding of architecture practical knowledge and techniques.								nitecture technical. The course will nments, the students will deepen		
Weeks 1 to group wor structure. the relation buildings. Weeks 9 to analyze the the college students were were students were students were students were students were stud			to 8, i ork and e. The ionship s. The s to16, the bui ge's bu will le	to 8, instructors: Shojo, Kakuno: Explanation of technical jargon in lecture format classes. Occasional rk and practical exercises for the students to empirically acquire knowledge about architectural. The course focuses on the architectural structure and gives the student opportunities to learn about onship between design and building structure, by showing examples of several structurally distinctive. The students will be asked to do assignments related to the lectures. to 16, instructors: Hiraishi, Motozuka: As an introduction to specialized education, the students will be buildings existent on campus, explore and think about the defects and possible improvements of le's building, and organize this information in the format of personal and/or group assignments. The will learn how to dialogue and share information. 13th week, so that the students understand the fundamental concepts about architecture, the will learn about the relationship between building and the environment, and the relation between une and the natural disasters in lecture-style classes.							
Notice		This cou addition terms re identify i environn	rse req to the lated to nforma nent, a	e requires 90 hours of self-study time, preparation for the lessons, review, assignment, etc. in the classes. The self-study time ensures that the students understand the fundamental technical ted to architecture. Also, self-study time is necessary for the students to acquire the ability to formation that can be routinely obtained through observation of architecture and urban ent, and for them to compile and publish their ideas properly. attendance is required, and only a maximum of 5 absences will be excused.							
Charact	eristics o	of Class /	Divis	ion in Le	arning						
☑ Active Learning				☐ Aided by ICT ☐ Applicable to			o Remo	te Class	☐ Instructor Professionally Experienced		
Course	Plan										
			Theme				Goals				
1st Semeste r	1st Quarter	1st	do we	lo we study building structure? About climate			To understand the significance of learning about building structures. To be able to explain the relationship between climate and architecture.				
		ZIIU	About the composition of Building Structure st Fundamental knowledge about steel structure (S)				To be a structu to desc steel st	To be able to explain the formation of building structures, to classify different building structures, to describe the characteristics and types of the steel structure.			
			Fundamental knowledge about reinforced T concrete structure (RC) s				To be a	To be able to describe the characteristics and structural form of reinforced concrete structures.			

5th characteristics · structural form · basic bonding methods · elements name and terminology forms of wooden structures, and basic methods, and the name of each elements.	l pipe and its and bonding			
5th characteristics · structural form · basic bonding methods · elements name and terminology forms of wooden structures, and basic methods, and the name of each element.	bonding			
To be able to discuss and explain in teal	To be able to explain the characteristics and forms of wooden structures, and basic bonding methods, and the name of each element.			
6th Group work assignment about building structures how to construct structural elements.	To be able to discuss and explain in teamwork how to construct structural elements.			
About buildings and houses whose structural technology has been a prominent element of the design, and architectural structure designers To be able to name architects and build use outstanding architectural structure technology.				
8th Mid-term Exam To measure students achievement of the studied up to the 7th week.	To measure students achievement of the contents studied up to the 7th week.			
9th Work related to architecture To be able to explain the diversity of work to architecture.	To be able to explain the diversity of work related to architecture.			
Analyze the buildings on campus. Search for places in the buildings that you think you are "funny or weird" and explain it. To be able to record personal impressio the building analyzed.	To be able to record personal impressions about the building analyzed.			
Analyze the buildings on campus. Search for places in the buildings that you think you are "funny or weird" and explain it. To be able to explain personal impression ideas to the team.	To be able to explain personal impressions and ideas to the team.			
2nd Quarter 12th Q	To be able to explain to the group the student's analysis of the building.			
13th Environment and architecture To be able to explain about environmen architecture.	To be able to explain about environment and architecture.			
14th Environment and architecture To be able to explain about environmen architecture.	To be able to explain about environment and architecture.			
15th Natural Disaster and architecture To be able to explain how to prepare fo disaster and the relation with building to	To be able to explain how to prepare for natural disaster and the relation with building technology.			
16th End-term Exam To measure students achievement of the studied.	To measure students achievement of the contents studied.			
Evaluation Method and Weight (%)				
Exams Assigments Mutual Evaluations between students Behavior Portfolio Other Total	I			
Subtotal 40 60 0 0 0 0 100				
Basic Proficiency 0 0 0 0 0 0				
Specialized Proficiency 40 60 0 0 0 0 0				
Cross Area Proficiency 0 0 0 0 0				