

Akashi College		Year	2023		Course Title	Introduction to Civil Engineering	
Course Information							
Course Code		5128		Course Category		Specialized / Compulsory	
Class Format		Lecture		Credits		School Credit: 1	
Department		Civil Engineering		Student Grade		1st	
Term		First Semester		Classes per Week		2	
Textbook and/or Teaching Materials							
Instructor		TAKEDA Naho					
Course Objectives							
1. Can explain civil engineering. 2. Can explain examples of social infrastructure facilities. 3. Can make a brief presentation about civil engineering.							
Rubric							
		Ideal Level		Standard Level		Unacceptable Level	
Achievement 1		Can fully explain civil engineering using technical language		Can briefly explain civil engineering using technical language		Cannot explain civil engineering using technical language	
Achievement 2		Can fully explain social infrastructure facilities using technical language		Can briefly explain social infrastructure facilities using technical language.		Cannot explain social infrastructure facilities using technical language	
Achievement 3		Can make a presentation about civil engineering using technical language		Can make a brief presentation about civil engineering.		Cannot make a brief presentation about civil engineering.	
Assigned Department Objectives							
Teaching Method							
Outline		Students will gain understanding that civil engineering enriches the lives of the people, improves their welfare, and deeply involved in the daily lives of citizens.					
Style		Classes will be conducted using a blackboard and a projector. In the lectures, terms, words in English, etc. that need memorizing will be explained. Students must review each class to fully acquire the knowledge.					
Notice		This is the first step to getting into the professional area of engineering, using the basic knowledge of science and mathematics which have been acquired in advance. Therefore, it is appropriate for students to seek professional academic book for anything that they find interesting. Students who miss 1/3 or more of classes will not be eligible for evaluation.					
Characteristics of Class / Division in Learning							
<input checked="" type="checkbox"/> Active Learning		<input type="checkbox"/> Aided by ICT		<input checked="" type="checkbox"/> Applicable to Remote Class		<input type="checkbox"/> Instructor Professionally Experienced	
Course Plan							
			Theme		Goals		
1st Semester	1st Quarter	1st	About civil engineering (1)		Can explain civil engineering.		
		2nd	About civil engineering (2)		Can explain what type of engineering civil engineering is		
		3rd	The first step towards structures and bridges (1)		Understand the role and history of bridges		
		4th	The first step towards structures and bridges (2)		Understand forms and structures of bridges		
		5th	The first step towards waterway and shore technologies (1)		Understand the water circulation, role of rivers, water utilization and water control, and river environment		
		6th	The first step towards waterway and shore technologies (2)		Understand the role and environment of the sea		
		7th	The first step towards ground and soil (1)		Understand the properties of soil		
		8th	The first step towards ground and soil (2)		Understand the ground subsidence and environment		
	2nd Quarter	9th	Midterm exam				
		10th	The first step towards construction material (1)		Understand construction materials (soil, stone, wood, metal, concrete, asphalt)		
		11th	The first step towards construction material (2)		Can make presentations on construction materials		
		12th	The first step towards urban planning (1)		Understand social infrastructure facilities that are necessary for urban planning		
		13th	The first step towards urban planning (2)		Can make presentations on urban planning		
		14th	The first step towards environmental issues (1)		Understand environmental issues related to water, soil, air, noise, and vibration		
		15th	The first step towards environmental issues (2)		Can make presentations on civil engineering and environment		
		16th	Final exam				
Evaluation Method and Weight (%)							
	Exams	Presentation	Reports	Effort status for classes	Total		
Subtotal	40	30	20	10	100		
Basic Proficiency	20	10	10	0	40		

Specialized Proficiency	20	10	10	0	40
Cross-Disciplinary Proficiency	0	10	0	10	20