

Akashi College		Year	2024		Course Title	Surveying II	
Course Information							
Course Code		6227		Course Category		Specialized / Compulsory	
Class Format		Lecture		Credits		Academic Credit: 2	
Department		Civil Engineering		Student Grade		2nd	
Term		First Semester		Classes per Week		2	
Textbook and/or Teaching Materials							
Instructor		IKUTA Ami					
Course Objectives							
The goal is to understand and explain the principles and methods of (1) control point surveying and (2) route surveying of applied surveying, based on the premise of the acquisition of basic surveying.							
Rubric							
		Ideal Level		Standard Level		Unacceptable Level	
Achievement 1		Understand the procedures of control point surveying, and can explain the survey system (national control points, etc.).		Understand and can explain the procedures of control point surveying.		Do not understand and cannot explain the procedures of control point surveying.	
Achievement 2		Understand the procedures of route surveying, have sufficient ability to calculate, and can explain.		Understand and can explain the procedures of route surveying.		Do not understand and cannot explain the procedures of route surveying.	
Assigned Department Objectives							
Teaching Method							
Outline		For this course, lectures will be carried out on surveying techniques and topographic maps that are needed for various types of setting work, in addition to the basic theory of field surveying taught in the first year.					
Style		Classes will be held in a lecture style in conjunction with surveying exercises					
Notice		Make sure to gain a deeper understanding through many exercise assignments 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. Students who miss 1/3 or more of classes will not be eligible for a passing grade.					
Characteristics of Class / Division in Learning							
<input type="checkbox"/> Active Learning		<input checked="" 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	Traverse surveying		Can explain method and purpose of traverse surveying.		
		2nd	Traverse surveying		Can explain method and purpose of traverse surveying.		
		3rd	Traverse surveying		Can explain method and purpose of traverse surveying.		
		4th	Traverse surveying		Can explain method and purpose of traverse surveying.		
		5th	Detail mapping		Can explain method and purpose of Detail mapping		
		6th	Detail mapping		Can explain method and purpose of Detail mapping		
		7th	Topographic mapping		Can explain method and purpose of Topographic mapping		
		8th	Topographic mapping		Can explain method and purpose of Topographic mapping		
	2nd Quarter	9th	Fundamental surbeyng		Can explain the classification by the size of an area, order, method, purpose, and law. Can explain the survey system (national control points, etc.).		
		10th	Fundamental surbeyng		Can explain the classification by the size of an area, order, method, purpose, and law. Can explain the survey system (national control points, etc.).		
		11th	Fundamental surbeyng		Can explain the classification by the size of an area, order, method, purpose, and law. Can explain the survey system (national control points, etc.).		
		12th	Route surveying		Can explain the simple curves, relaxation curves, and vertical curves.		
		13th	Route surveying		Can explain the simple curves, relaxation curves, and vertical curves.		
		14th	Route surveying		Can explain the simple curves, relaxation curves, and vertical curves.		
		15th	Route surveying		Can explain the simple curves, relaxation curves, and vertical curves.		

		16th	Final exam				
Evaluation Method and Weight (%)							
	Exams	Presentation	Mutual Evaluations	Attitude	Portfolio	Other	Total
Subtotal	70	0	0	30	0	0	100
Basic Proficiency	50	0	0	30	0	0	80
Specialized Proficiency	20	0	0	0	0	0	20
Cross-Disciplinary Proficiency	0	0	0	0	0	0	0