

Akashi College		Year	2022		Course Title	Exercises of Surveying II	
Course Information							
Course Code	4218			Course Category	Specialized / Compulsory		
Class Format	Practical training			Credits	Academic Credit: 2		
Department	Civil Engineering			Student Grade	2nd		
Term	Second Semester			Classes per Week	2		
Textbook and/or Teaching Materials	Handout						
Instructor	IKUTA Ami,NAITO Nagahide,OSHIRO Yuki						
Course Objectives							
Learn how to set out to the site, and can practically apply the surveying theory.							
Rubric							
		Ideal Level		Standard Level		Unacceptable Level	
Achievement 1		Learn how to set out to the site, and can accurately calculate and practically apply the surveying theory.		Learn how to set out to the site, and can practically apply the surveying theory.		Do not learn how to set out to the site, and cannot practically apply the surveying theory.	
Assigned Department Objectives							
Teaching Method							
Outline	Learn how to set out to the site, and become able to practically apply the surveying theory.						
Style	Practical trainings and exercises will be conducted by several faculty members. Exercises are carried out together with the reviewing of class contents. The evaluation will be based 80% on reports, and 20% on attitude toward class activities. However, in cases where reports., etc. are inadequate, students must re-submit them, or will be given 59 points or less for their evaluation. Liaison to the part-time lecturer (Naito): Watanabe, Department of Civil Engineering						
Notice	Commit to the basics and make accurate measurements, and improve the quality of deliverables. Be attentive to safety. 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 type="checkbox"/> Aided by ICT		<input checked="" type="checkbox"/> Applicable to Remote Class		<input type="checkbox"/> Instructor Professionally Experienced	
Course Plan							
			Theme	Goals			
2nd Semester r	3rd Quarter	1st	Route surveying (setting out of simple curve and declination)	Can explain the simple curves and relaxation curves.			
		2nd	"	Can explain the simple curves and relaxation curves.			
		3rd	"	Can explain the simple curves and relaxation curves.			
		4th	" (setting out clothoid curve, polar deflection angle method)	Can explain the simple curves and relaxation curves.			
		5th	"	Can explain the simple curves and relaxation curves.			
		6th	"	Can explain the simple curves and relaxation curves.			
		7th	Surveying exercise	Can explain the simple curves and relaxation curves, and describe the methods of setting out.			
		8th	Topographical survey (road longitudinal profile)	Can explain the road longitudinal profile.			
	4th Quarter	9th	"	Can explain the road longitudinal profile.			
		10th	"	Can explain the road longitudinal profile.			
		11th	"	Can explain the road longitudinal profile.			
		12th	"	Can explain the road longitudinal profile.			
		13th	"	Can explain the road longitudinal profile.			
		14th	GPS surveying	Can explain the principle of GNSS surveying.			
		15th	"	Can explain the principle of GNSS surveying.			
		16th	No final exam				
Evaluation Method and Weight (%)							
	Exams	Reports	Mutual Evaluations	Attitude	Portfolio	Other	Total
Subtotal	0	80	0	20	0	0	100
Basic Proficiency	0	20	0	5	0	0	25
Specialized Proficiency	0	50	0	10	0	0	60

Cross-Disciplinary Proficiency	0	10	0	5	0	0	15
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