Akashi College			Year	Year 2024			ourse Title	Exercises of Surveying II		
Course :	Informa	tion								
Course Co	ode	6231		Course Categor	y Specialized		ed / Compulsory			
		Practical t	training		Credits	Academic (Credit: 2		
· · · · · · · · · · · · · · · · · · ·		Civil Engir			Student Grade					
Term Second S		emester		Classes per We	eek 2					
Textbook Teaching	and/or Materials	Handout								
Instructor	-	IKUTA An	ni,OSHIRO Yuki,N	NABESHIMA Yasuy	/uki					
Course	Objectiv	es								
Learn hov	v to set ou	ut to the site	, and can practic	ally apply the surv	eying 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.		to the site	Do not learn how to set out to the site, and cannot practically apply the surveying theory.		
Achievement 2			Fully understar surveying, and survey with eq	perform survey with equipment.Understand photographic surveying, and can perform survey with equipment.		ng, and	Do not understand photographic surveying, and cannot perform survey with equipment.			
		tment Obj	ectives							
Teachin	g Metho	od								
Outline			v to set out to th	e site, and becom	e able to praction	cally ap	pply the su	rveying theory.		
Practica Exercise Style The eva Howeve			trainings and exercises will be conducted by several faculty members. s are carried out together with the reviewing of class contents. luation will be based 80% on reports, and 20% on attitude toward class activities. r, in cases where reports., etc. are inadequate, students must re-submit them, or will be given 59 r less for their evaluation.							
Notice		to safety. time guar assignme	This course's co anteed in classes nt reports.	ntent will amount	to 90 hours of s d self-study time	study i e requi	n total. The red for pre	uality of deliverables. Be attentive ese hours include the learning -study / review, and completing		
Charact	eristics	of Class /	Division in Le	arning						
☐ Active Learning			☐ Aided by IC	☑ Applicable to	☑ Applicable to Remote Class ☐ Instructor P Experienced					
Course	Plan									
		Т	Theme			Goals				
	3rd Quarter		Route surveying (lothoid curve)	oute surveying (setting out of simple cu			Can explain the simple curves and relaxation curves, and describe the methods of setting out.			
		2nd R	Route surveying (lothoid curve)	ute surveying (setting out of simple curve and thoid curve)			Can explain the simple curves and relaxation curves, and describe the methods of setting out.			
		3rd R	oute surveying (setting out of simple curve and othoid curve)			Can explain the simple curves and relaxation curves, and describe the methods of setting out.				
2nd Semeste r		4th R	loute surveying (lothoid curve)	e surveying (setting out of simple curve and oid curve)			Can explain the simple curves and relaxation curves, and describe the methods of setting out.			
		5th T	riangulation	angulation			Can explain the procedure and calculation method for triangulation. Can explain the survey system (national control points, etc.).			
		6th T	riangulation				Can explain the procedure and calculation method for triangulation. Can explain the survey system (national control points, etc.).			
		7th T	iangulation			Can explain the procedure and calculation method for triangulation. Can explain the survey system (national control points, etc.).				
		8th T				Can explain the road longitudinal profile.				
	4th Quarter	9th P	hotographic surv	eying		Can explain the principle and method of photographic surveying. Can explain the nature and use of contour lines.				
		10th P	hotographic surv	otographic surveying			Can explain the principle and method of photographic surveying. Can explain the nature and use of contour lines.			
		11th P	hotographic sur	graphic surveying			Can explain the principle and method of photographic surveying. Can explain the nature and use of contour lines.			
		12th t	opographic surve	oographic surveying (using LiDAR senor)			Can explain the topographic surveying using using LiDAR senor.			

			topographic surve	eying (using LiDAI	Can explain the topographic surveying using using LiDAR senor.					
		14th	topographic surve	eying (using drone	e)	Can explain the topographic surveying using using drone.				
		15th	topographic surve	eying (using drone	e)	Can explain the topographic surveying using using drone.				
		16th	No final exam							
Evaluation Method and Weight (%)										
	E	xams	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			50	0	10	0	0	60		
Cross- Disciplinary Proficiency			10	0	5	0	0	15		