Akashi College			Year 2022		Cours Title					
Course	Informa	tion								
Course Code 4104					Course Categor	y Gene	eral / Compulsory			
Class For	rmat Lecture			_	Credits	Scho	School Credit: 2			
Departme	ent	Architecture			Student Grade	1st				
Term		Year-roun	Year-round			ek 2				
	Matérials	高遠他:「新		日本図書高遠他:「新	乐 基礎数学 問題 	9年」大日本	図書			
Instructo		KAWATA S	Snoutarou							
	Objectiv									
	stand and	solve probler	ns related to trig	gonometric functio	ons, figures, equa	ations, and	seque	nces.		
Rubric			I=		la			I		
1)Trigonometric functions			Ideal Level Can fully understand the definition of trigonometric function and competently solve problems using trigonometric functions.		Can understand the definition of trigonometric function and solve problems using trigonometric functions.		solve	Unacceptable Level Can not understand the definition of trigonometric function or solve problems using trigonometric functions.		
2)Equatio	ons and gr	aphs	Can fully understand the relationship between equations and graphs, and solve problems related to straight lines and quadratic curves.		Can sufficiently understand the relationship between equations and graphs, and solve problems related to straight lines and quadratic curves.		tions it	Can not understand the relationship between equations and graphs, or solve problems related to straight lines and quadratic curves.		
3)sequen			the general ter	n fully understand and sum Can understand and sum the general term of a sequence.			Can not understand and sum the general term of a sequence.			
		<u>tment Obj</u>	ectives							
Teachir	ng Metho									
Outline		To learn a	bout trigonomet natics required i	ric functions, figu n college	res and their equ	iations, and	l seque	ences. Learn the fundamentals		
Style			•		udvina in aroups	during cla	ss with	n problem-solving.		
Notice		Preparation		the content learn				. p. co. co. co. co. co. co. co. co. co. co		
Charact	teristics	of Class / [Division in Le	arning						
☑ Active	Learning		☐ Aided by ICT ☑ Applicable to		Remote Class					
Course	Plan									
		Т	heme			Goals				
	1st Quarter	1st T	riangle ratio and	its application		Can calculate the triangle ratio.				
		2nd T	riangle ratio and	iangle ratio and its application			Can calculate the obtuse angle trigonometric ratio.			
		3rd T	riangle ratio and	angle ratio and its application			Can solve triangle problem using the sine theorem.			
		4th T	iangle ratio and its application			theorem.		<u> </u>		
			riangle ratio and			theorem. Can solve ti theorem.	riangle	e problem using the cosine		
1		5th T	rigonometric fur	its application		theorem. Can solve to theorem. Can calcula trigonometo	riangle te the ric fun	value of an angle using the ctions.		
		5th T	rigonometric fur	l its application		theorem. Can solve to theorem. Can calcula trigonometo Can expres	riangle te the ric fun s angle	value of an angle using the ctions. es using the arc method.		
		5th T 6th T 7th T	rigonometric fur rigonometric fur rigonometric fur	l its application		theorem. Can solve to theorem. Can calcula trigonometo Can expres	riangle te the ric fun s angle	value of an angle using the ctions.		
1st Semeste		5th T 6th T 7th T 8th E	rigonometric fur	l its application action action action		theorem. Can solve titheorem. Can calculatrigonometican express Can express Can express Can express	riangle te the ric fun s angle s angle	value of an angle using the ctions. es using the arc method. es by the radian method.		
		5th T 6th T 7th T 8th E 9th T	rigonometric fur rigonometric fur rigonometric fur xercises rigonometric fur	l its application action action action action		theorem. Can solve titheorem. Can calculatrigonometican express Can express Can express Can explain	riangle te the ric fun s angle s angle i the ir ric fun	value of an angle using the ctions. es using the arc method. es by the radian method. esterolationship and nature of ctions.		
Semeste		5th T 6th T 7th T 8th E 9th T 10th T	rigonometric fur rigonometric fur rigonometric fur xercises rigonometric fur	lits application action action action action action		theorem. Can solve titheorem. Can calcula trigonometi Can express Can express Can explain trigonometi Can draw ti	riangle te the ric fun s angle s angle the ir ric fun he gra	value of an angle using the ctions. es using the arc method. es by the radian method. eterrelationship and nature of ctions. ph of a trigonometric function.		
Semeste		5th T 6th T 7th T 8th E 9th T 10th T	rigonometric fur rigonometric fur rigonometric fur xercises rigonometric fur rigonometric fur	l its application action action action action action action action		theorem. Can solve titheorem. Can calcula trigonometican express Can explain trigonometican explain trigonometican draw titheorem.	riangle te the ric fun s angle s angle the ir ric fun he gra he tria	value of an angle using the ctions. es using the arc method. es by the radian method. es by the radian method. eterrelationship and nature of ctions. ph of a trigonometric function. engular equation and triangular		
Semeste	2nd Quarter	5th T 6th T 7th T 8th E 9th T 10th T 11th T	rigonometric fur rigonometric fur xercises rigonometric fur rigonometric fur rigonometric fur dditive theorem	l its application action	1	theorem. Can solve to theorem. Can calcula trigonometro Can express Can express Can explain trigonometro Can draw to Can solve to the can calcula additive the Can derive	te the ric fun s angle s angle the iric fun he grahe tria te trigeorem.	value of an angle using the ctions. es using the arc method. es by the radian method. Interrelationship and nature of ctions. ph of a trigonometric function. Integral equation and triangular Interrelationship and nature of ctions.		
Semeste		5th T 6th T 7th T 8th E 9th T 10th T 11th T 12th A	rigonometric fur rigonometric fur rigonometric fur xercises rigonometric fur rigonometric fur rigonometric fur dditive theorem dditive theorem	l its application action and its application and its application	1	theorem. Can solve to theorem. Can calcula trigonometorem. Can expressem exp	te the ric fun s angle s angle the grahe tria te trigeorem.	value of an angle using the ctions. es using the arc method. es by the radian method. Interrelationship and nature of ctions. ph of a trigonometric function. Ingular equation and triangular onometric ratio using the rmula of the sum of products, lations using them.		
Semeste		5th T 6th T 7th T 8th E 9th T 10th T 11th T 12th A	rigonometric fur rigonometric fur rigonometric fur xercises rigonometric fur rigonometric fur rigonometric fur dditive theorem dditive theorem	l its application action		theorem. Can solve to theorem. Can calcula trigonometorem. Can expression explaint expression expre	riangle te the ric fun s angle s angle the ir ric fun he gra he tria te trig eorem. the for calcul size tr	value of an angle using the ctions. es using the arc method. es by the radian method. Interrelationship and nature of ctions. ph of a trigonometric function. Integral equation and triangular Interrelationship and nature of ctions.		
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		5th	Quadratic curve circle			Can solve the ellipse equation and calculate the approximate shape.				
		6th	Quadratic cu	Quadratic curve circle			Can solve the parabolic equation and calculate the approximate shape, and the hyperbolic curve.			
		7th	Quadratic cu	Quadratic curve circle			Can find parabolic equations and schemes.			
		8th	Exercises			Solve problems related to what you have learned so far				
	4th Quarter	9th	Quadratic cu	Quadratic curve circle			Can calculate tangent of a quadratic curve.			
		10th	Quadratic cu	Quadratic curve circle			Can show the area represented by inequality (Coalition).			
		11th	Sequence			Can calculate the general term of an arithmetic progression.				
		12th	Sequence	Sequence Sequence			Can calculate the general term of an arithmetic progression.			
		13th	Sequence				Can calculate the sum of various sequences.			
		14th	Sequence			Can calculate the general term of the recurrence formula and can prove it using mathematical induction.				
		15th	Summary			Can solve problems related to the content learned.				
		16th	End term ex	ams						
Evaluat	ion Meth	nod and	Weight (%))						
Examination			nation	Review Quiz	Assignment		Participation	Total		
Subtotal		60		40	0		0	100		
Basic Proficiency		60		40	0		0	100		
Specialized Proficiency		0		0	0		0	0		
Cross Area Proficiency		0		0	0		0	0		