Toyama College			Year	Year 2022			Course Linear Algebra I			
Course	Informa	tion								
Course Co	· · · · · · · · · · · · · · · · · · ·		Course Categor	ry General / Elective						
Class Forr	ss Format Lecture				Credits School Cre		School C	redit: 1		
Departme	epartment Department of Electronics and Com Engineering			and Computer	Student Grade 2nd					
Term First Semester					Classes per We	Classes per Week 2				
Textbook Teaching										
Instructor		Sakurai F	lideto,Nagata Os	amu						
	Objectiv	•								
At the cor	npletion o	f this course	e, students will b two and three co		nd and carry out	funda	amental ca	alculations on vectors in a real		
Rubric					1					
Ideal Level					'			Unacceptable Level		
Achievement 1			Clearly understands, and is able to carry out fundamental calculations on arithmetic operations of vectors.		Ability to understand and carry out fundamental calculations on arithmetic operations of vectors.		ulations ói			
Achievem	ent 2		Clearly unders to carry out fu calculations or components of	vector	Ability to understand and carry out fundamental calculations on vector components of vectors.		ulations o	Does not display understanding and is unable to carry out fundamental calculations on vector components of vectors.		
Achievement 3			Clearly unders to carry out fu calculations or equations.		Ability to understand and carry out fundamental calculations on vector equations.					
MCCコア科	 4目	tment Ob	jectives							
	パポリシー(g Motho									
Outline	g Metho	In this co	urse, students w	vill learn about bas And, students wil	ic linear algebra	, speci	ifically: ve	ctors in a real coordinate space of		
Style			and exercises	7 ma, scadenes vii	THAKE BUSIES CO	icaiaci	0115 01 1110			
Notice		The recog	gnition of credit i	requires 50 points	or more rating.					
Charact	eristics (of Class /	<u>Division in Le</u>	earning						
☐ Active	Learning		☑ Aided by IC	T	☑ Applicable to	o Rem	ote Class	☐ Instructor Professionally Experienced		
Course	Plan									
		1	Theme	neme			Goals			
		1st (Guidance	idance			Guidance: Discuss the goals and structure of this course.			
		2nd A	ithmetic operations of vectors			Learn the definition and the basic property of arithmetic operations of vectors.				
		3rd \	ector Components			Learn the definition and the basic property of vector components of vectors.				
	1st Quarter	4th L	inear Independe	ence		Learn	the defini	tion and the basic property of the dence of vectors.		
1st Semeste r	Quarter	5th I	ner Product -1-			Learn the definition and the basic property of inner products of two vectors.				
		6th I	nner Product -2	ner Product -2-			Learn some applications of the inner products.			
		7th F	osition vector			Learn the definition and the basic property of the				
			Midterm exam		position vectors. Midterm examination.					
	2nd Quarter		ector Equation -1-			Learn the definition and the basic property of vector equations in two dimensional space (in the				
		10th \	ector Equation -2-			plane). Learn the vector equations in two dimensional space (in the plane).				
		11th \	ector in three dimensional space			Learn the definition and the basic property of vectors in three dimensional space (in the space).				
		12th	ector Equation in three dimensional space -1-			Learn the definition and the basic property of vector equations in three dimensional space (in the space).				
		13th \	ector Equation i	n three dimension	al space -2-	space	(in the sp			
			ector Equation in three dimensional space -3-			Learn the vector equations in three dimensional space (in the space).				
			inal exam				examinatio			
		16th 5	Summary			Sumn	narize the	study content and confirm grades		

Evaluation	Method and W	/eight (%)					
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	70	0	0	0	0	30	100
Basic Proficiency	70	0	0	0	0	30	100
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0