Akashi College		Year	Year 2024		Course Title	Applied Physics A			
Course	Informa	tion				•			
Course Co	ode	6418			Course Category	/ Specializ	red / Compulsory		
Class Forr	mat	at Lecture				School C	Credit: 1		
Departme	ent	Architecture			Student Grade	4th			
Term		First Sem	ester		Classes per Wee	ek 2			
Textbook Teaching									
Instructor	-	OGASAW	ARA Hiromichi						
Course	tand the o	description o	f motion of an ol	bject and the fund	amental laws of r	nechanics.	o of machania		
3. Unders	stand the b	pasics of how	v to handle point v to handle rigid rmodynamics.	masses in genera body based on the	e fundamental lav	vs of mechanic	s of mechanics.		
Rubric									
			Ideal Level	Ideal Level			Unacceptable Level		
Achievement 1			the motion of an object and the fundamental laws of mechanics for correctly and apply them to		Can explain the description of the motion of an object and the fundamental laws of mechanics and apply them to specific problems.		Cannot explain the description of the motion of an object and the fundamental laws of mechanics or apply them to specific problems.		
Achievement 2			handle point me the fundament	correctly and apply Interior and apply the		sses based on I laws of apply them to	to Cannot explain the basics of how to handle point masses based on the fundamental laws of mechanics or apply them to specific problems.		
Achievement 3			Can explain the	e basics of how to ody based on the aws of mechanics apply them to ms accurately.	Can explain the basics of how to handle rigid body based on the fundamental laws of mechanics and apply them to specific problems.		how to handle rigid body based		
Achievement 4			and apply them to specific of thermod		Can explain the of thermodynam them to specific	nics and apply	Cannot explain the basic concepts of thermodynamics or apply them to specific problems.		
Assigne	d Depar	tment Obj							
Teachin	g Metho	od							
Outline		Mechanic	s and the first st	eps in thermodyna vector calculation)	amics will be taug . Mechanics is co	ht, including the ntinued from S	ne necessary mathematical cience III A-2.		
Style		Classes w	ill be taught in a	lecture style, and	there will also be	e practice and	quizzes.		
Notice		previous y understar The sched	years. Also, stud nd concepts in pl dule of the midte	knowledge (the resit individually, stud to specific situation lents should be aw hysics systematica erm exam may be more of classes w	rare of the relation lly. changed.	nships betwee	ticular situation, how to solve the strat govern them (including w the content learned during the n the various laws and try to evaluation.		
Charact	eristics		Division in Le						
☐ Active Learning				☐ Aided by ICT ☑ Applicable to		Remote Class	☐ Instructor Professionally Experienced		
Course	Plan								
Course	. 1011	Т	Theme		1,	Goals			
1st Semeste r	1st Quarter			, and mechanical e	energy L	Learn how to handle motion of objects in planes and spaces.			
		2nd N	lotion and force, and mechanical energy			Learn about the laws of motion.			
		3rd N	10tion and force, and mechanical energy			Learn about work and kinetic energy.			
		4th N	1otion and force, and mechanical energy			Learn about mechanical energy.			
		5th L	aw on momentum and angular momentum			Learn about the laws of momentum.			
		6th L	aw on momentum and angular momentum			Learn about the laws of angular momentum.			
		7th L	aw on momentum and angular momentum			Learn about the laws of angular momentum in the system of particles.			
		8th N	Midterm exam						
	2nd Quarter	9th N	lechanics of rigid bodies			Learn how to handle rigid bodies with a fixed axis			
							Learn about the moment of inertia.		
		11th N	Mechanics of rigid	echanics of rigid hodies			Learn how to handle rigid bodies without fixed axes.		
		12th N	echanics of rigid bodies			Learn the basics of momentum, angular momentum, and energy in the mechanics of rigid bodies.			
					b	odies			
		13th E	Basics in thermo	dynamics			s of thermodynamics.		

,	15th	Basics in thermodynamics		Learn about the irreversible change.		
	16th	Final exam				
Evaluati	on Method a	and Weight (%)				
		Examinations	Practice / Quizzes	Attendance / Behavior	Total	
Subtotal		40	30	30	100	
Basic Proficiency		40	30	30	100	
Specialized Proficiency		0	0	0	0	
Cross Area Proficiency		0	0	0	0	