Akashi College				Year 2022			ourse Title	Research Studies			
Course Information											
Course Code 4030					Course Categor	у	Specialize	ed / Compulsory			
Class Format Seminar						Credits	School Cre		redit: 8		
Department Mechanie Engineer			nd Electronic	Student Grade		Adv. 2nd					
Term Year-rour			ind			Classes per We	ek	k 8			
Textbook and/or Teaching Materials											
Instructor											
Course	Objectiv	es									
(1) Can ir perspectiv (2) Can e (3) Can w (4) Can ir	ntegrate ar ve toward ngage in le vrite techn	nd deepen solving pro earning and ical docume	blem 1 rese ents	ns. earch indeper in English by	mine it theoreticandently and contin creating an Englis e at the research r	uously. h abstract of the	e annua		nd creatively from a wide h report.		
Rubric			-		Chan dand Laural						
				Ideal Level		Standard Level			Unacceptable Level		
Achievement 1				an integrate a xpertise, and pply it theoret ystematically, reatively from erspective tov roblems.	examine and ically, practically, and a wide	Can integrate and deepen expertise, and examine it theoretically, systematically, practically, and creatively from a wide perspective toward solving problems.			Cannot integrate and deepen expertise, and examine it theoretically, systematically, practically, and creatively from a wide perspective toward solving problems		
Achievement 2				an actively en nd research ir ontinuously.	Can engage in learning and research independently and continuously.			Cannot engage in learning and research independently and continuously.			
Achievement 3				Can write technical documents in English and papers for international conferences by creating an English abstract of the annual research report.		Can write technical documents in English by creating an English abstract of the annual research report.		an Englisl	Cannot write technical documents in English by creating an English abstract of the annual research report.		
				an improve ar resentation sk t the review p	tills by giving one	Can improve presentation skills by giving one at the review presentation.			Cannot improve presentation skills by giving one at the review presentation.		
Assiane	d Depar	tment Ob	viect	tives							
	g Metho										
Outline The aim of this course is to develop practical skills for problem solving by integrating engineering know that the students have learned so far and applying it to individual research assignments of their own of They will also learn practical techniques for engineering research. Research subjects, unlike exercise questions, do not have answers from the beginning. Learn the fun of studying unknown areas while result the trial and error.								assignments of their own choice. subjects, unlike exercise			
Style		Students	ents will be assigned to each laboratory and receive research guidance from the supervisors.								
Notice Voluntar				urse's content will amount to 360 hours of study in total. These hours include the learning time eed in classes and the standard self-study time required for pre-study / review, and completing lent reports. Students should proceed with research voluntarily and proactively based on their lge they have gained from previous study. Specifically, each research process should be carried out ily and based on self-judgment, as much as possible, to explore the issues given and think about h methods until they arrive at an answer.							
Charact	eristics of	of Class /	Div	ision in Le	arning						
🛛 Active	Learning			Aided by IC	T	Applicable to Remote		ote Class	<ul> <li>Instructor Professionally</li> <li>Experienced</li> </ul>		
Course	Plan										
			Theme				Goals				
1st Semeste r	1st Quarter	1st	Individual research Same as above			Carry out separa instruction.		tion.	tely under each supervisor's		
		2nd					Same	as above			
			Same as above			Same as above Same as above					
			Same as above								
			Same as above			Same as above					
			Same as above			Same as above					
			Same as above				Same as above				
			Same as above			Same as above					
	2nd Quarter		Same as above				Same				
				ne as above		Same as above					
				ne as above		Same as above					
			Same as above				Same as above				
			Same as above				Same as above				
			Same as above			Same as above		as above			
1	1	15th	Sam	ne as above			Same	as above			

		16th	No final exan	n						
		1st	Same as above				Same as above			
	3rd Quarter	2nd	Same as above				Same as above			
		3rd	Same as above				Same as above			
		4th	Same as above				Same as above			
		5th	Same as above				Same as above			
		6th	Same as above				Same as above			
		7th	Same as above				Same as above			
2nd		8th	Same as abo	ve		Same as above				
Semeste	4th Quarter	9th	Same as abo	ve		Same as above				
r		10th	Same as abo	ve		Same as above				
		11th	Same as above				Same as above			
		12th	Same as above				Same as above			
		13th	Same as abo	ve		Same as above				
		14th	Same as above				Same as above			
		15th	Review presentation				Can present one's research results and answer questions, etc.			
		16th	No final exan	n						
Evaluat	ion Meth	od and	Weight (%)							
			ch paper	Research activities	Annual research	ch	Research publication	Total		
Subtotal		40		20	20		20	100		
Basic Pro	ficiency	0		0	0		0	0		
Specialized Proficiency		40		20	20		20	100		
Cross Area Proficiency		0		0	0		0	0		