Akashi College			Ye	Year 2023			Course Title G		Graduation Thesis				
Course	Informat	tion											
Course Co	ode	5517					γ	Specialize	d / Compulsory				
Class Format Seminar						Credits	School Cre		edit: 6				
Department Mechanica			al Engineering			Student Grade 5th		5th					
Term		Year-rou	nd	I		Classes per Week		前期:4 後期:8					
Textbook Teaching													
Instructor	Instructor All faculty of the department												
Course Objectives													
(2) Apply (3) Can lo (4) Can e	engineerir gically and	ng knowled d creatively	ge and skills examine ex	s, and xisting	independently an can solve problen technologies and nd presentations,	ns and create ne research conter	ew tech nt relat s them	nnologies. ed to rese	arch subjects.				
Rubric Ideal Level Standard Level Unacceptable Level													
			- 	Ideal Level					Unacceptable Level				
Achievement 1			knowled	Can fully acquire engineering knowledge and skills independently and continuously.			gineeri skills and co	-	Cannot acquire engineering knowledge and skills independently and continuously.				
Achievem		knowledg	Can apply the engineering knowledge learned to one's research topics accurately, and can solve specific problems.			engined ned to , and d		Cannot apply the engineering knowledge learned to one's research topics, and cannot solve problems.					
Achievement 3			technoló content r	Can fully examine the existing technologies and research content related to research subjects logically and creatively.			ne exis nd rese to res ly and	arčh	Cannot examine the existing technologies and research content related to research subjects logically and creatively.				
			Can accurately explain the results of their research by documents and presentations, and can conduct an active discussion.			Can explain and discuss the results of their research by documents and presentations.			Cannot explain and discuss the results of their research by documents and presentations.				
Assigne	d Depart	tment Ob	iectives			•							
	g Metho		<u> </u>										
Outline The aim of this class is to understand and analyze issues in their research topics based on the results of the learning up to the 4th year and the basic knowledge and skills gained through experiments and exercises, and develop problem-solving skills by taking appropriate approach. Also, students will acquire engineering research techniques through practices by carrying out these processes voluntarily and continuously. Research subjects, unlike exercise questions, do not have answers from the beginning. Learn the fun of studying unknown areas while repeating the trial and error.													
Style St								cussions. They will present their					
Notice		solve pro The ratir (1) Evalu (2) Evalu (3) Evalu (4) Evalu Students	udents should voluntarily and actively tackle research topics of their own choice, and continue to try to lve problems. e rating is the sum of the following items:) Evaluation of research activities by counselor educator: 20 points) Evaluation of research papers by chief and sub examiners: 40 points) Evaluation of the interim presentation: 10 points) Evaluation of the graduation research review presentation: 30 points udents who miss 1/5 or more of classes will not be eligible for evaluation.										
Charact	eristics o	of Class /	Division	<u>in Le</u>	arning	T							
☐ Active Learning			□ Aided	by IC	Т	☐ Applicable t	☐ Instructor Professionally Experienced						
Course	Plan						_						
			Theme				Goals						
1st Semeste r	1st Quarter	1st	Course guid	dance			Under	stand the	outline of the research theme. precautions for taking the course.				
		2nd	Individual and group research				Can carry out research activities such as document research, experiments and simulations, examinations and discussions under the supervisor.						
		3rd	Individual and group research				Same as above						
		4th	Individual a	individual and group research			Same as above						
		5th	ndividual and group research				Same as above						
		6th	Individual a	and gro	oup research		Same as above						
					oup research		Same as above						
					oup research		Same as above						
					oup research		Same as above						
	2nd Quarter				oup research		Same as above						
					oup research		Same as above						
				ndividual and group research			Same as above						

		13th	Individual an	d group research	Same		as above			
		14th	Individual an	d group research		Same	as above			
		15th	Individual an	d group research		Same	as above			
		16th	No final exam							
2nd Semeste	3rd Quarter	1st	Individual an	d group research		Can carry out research activities such as document research, experiments and simulations, examinations and discussions under the supervisor.				
		2nd	Individual an	d group research		Same as above				
		3rd	Interim prese	entations		Can report on the results of research so far in the form of poster presentations, and can answer questions appropriately.				
		4th	Individual and group research				Can carry out research activities such as literature research, experiments and simulations, examinations and discussions under the counselor educator.			
		5th	Individual an	d group research		Same as above				
		6th	Individual an	d group research		Same as above				
		7th	Individual an	d group research		Same as above				
		8th	Individual and group research				Same as above			
l r		9th	Individual and group research				Same as above			
	4th Quarter	10th	Individual an	d group research		Same as above				
		11th	Individual and group research				Same as above			
		12th	Individual and group research				Same as above			
		13th	Paper submission				Can summarize the research results and submit research papers.			
		14th	Review of papers and submit summary of presentations				Can answer questions from the chief and sub examiners about contents of the research papers. Can prepare and submit an outline for the graduation research review presentation.			
		15th	Graduation re	esearch review preser	ntation	Can report on the results of research so far by oral presentations using slides, and can answer questions appropriately.				
		16th	No final exan	n						
Evaluat	ion Meth	od and	Weight (%)	<u> </u>						
		Resea	rch activities	Research treatise	Interim preser	ntation	Graduation research examination presentation	Total		
Subtotal		20		40 10			30	100		
Basic Prof	ficiency	0		0	0		0	0		
Specialize Proficienc		20		40	10		30	100		
Cross Are Proficienc		0		0	0		0	0		