

Akashi College		Year	2022	Course Title	Creative Faculty Development
Course Information					
Course Code	4007		Course Category	Specialized / Compulsory	
Class Format	Experiment		Credits	School Credit: 2	
Department	Mechanical and Electronic System Engineering		Student Grade	Adv. 1st	
Term	Second Semester		Classes per Week	4	
Textbook and/or Teaching Materials					
Instructor	NAKANISHI Hiroshi				
Course Objectives					
(1) Can set goals and plan work on a group basis, perform work voluntarily, and report on work progress and work results effectively. (2) Can apply expertise and present problem solution plan. (3) Can demonstrate communication skills and teamwork through cooperation and work distribution in group work.					
Rubric					
	Ideal Level		Standard Level		Unacceptable Level
Achievement 1	Can set goals and plan work on a group basis, perform work voluntarily, and report on work progress and work results effectively.		Can set goals and plan work on a group basis, perform work voluntarily, and report on work progress and work results.		Cannot set goals and plan work on a group basis, perform work voluntarily, and report on work progress and work results.
Achievement 2	Can apply expertise and present practicable problem solution plans.		Can apply expertise and present a problem solution plan.		Cannot apply knowledge and present a problem solution plan.
Achievement 3	Can effectively cooperate, distribute work, and demonstrate communication skills and teamwork through group work.		Can cooperate, distribute work, and demonstrate communication skills and teamwork through group work.		Cannot cooperate, distribute work, and demonstrate communication skills and teamwork through group work.
Assigned Department Objectives					
Teaching Method					
Outline	In this course, students will experience cooperation, work distribution, and administrative roles through group work, and will foster their ability to solve problems in engineering design in a practical manner. In the process of working on a task, they will widely develop the relevant knowledge through assembling equipment, handling devices, and investigating performance, etc. to foster creativity through engineering design assignments.				
Style	They will apply their knowledge of the fields of their Advanced Course study and conduct creative experiments and exercises for assignments under the faculty in charge. Students will form groups of around 4 members from different Advanced Courses and work on the assignment. After the assignment theme is presented and explanations on basic knowledge, etc. are given, students will conduct all of the Plan-Do-See activities in groups within the given time and submit a report. Results will be presented verbally in the discussion and presentation session.				
Notice	This course's content will amount to 90 hours of study in total. These hours include the learning time guaranteed in classes and the standard self-study time required for pre-study / review, and completing assignment reports. Students will be divided into groups during guidance. Students who miss 1/5 or more of classes will not be eligible for a passing grade.				
Characteristics of Class / Division in Learning					
<input checked="" type="checkbox"/> Active Learning		<input checked="" type="checkbox"/> Aided by ICT		<input checked="" type="checkbox"/> Applicable to Remote Class	<input type="checkbox"/> Instructor Professionally Experienced
Course Plan					
			Theme	Goals	
2nd Semester	3rd Quarter	1st	Class guidance, team division, and team building Receive class guidance and check the overall schedule, activity conditions, and evaluation methods. Divide into teams and do team building activities.	Understand the course aims and assignment content.	
		2nd	Create problem solution plans for the assignment and formulate and implement an action plan in groups.	Can act voluntarily in group activities and contribute to the team by demonstrating communication skills and teamwork.	
		3rd	Same as week 2	Same as week 2	
		4th	Plan discussions and presentations: Present problem solution plans for the assignment and give an oral presentation of an implementation plan.	Can explain to others how effective and reasonable the proposed solutions and plans are.	
		5th	Can reconsider in groups the activity plans and make a better implementation plan based on the results of the planning discussion.	Same as week 2	
		6th	Same as week 5	Same as week 2	
		7th	Same as week 5	Same as week 2	
		8th	Same as week 5	Same as week 2	
	4th Quarter	9th	Same as week 5	Same as week 2	
		10th	Same as week 5	Same as week 2	
		11th	Same as week 5	Same as week 2	

		12th	Same as week 5	Same as week 2
		13th	Same as week 5	Same as week 2
		14th	Same as week 5	Same as week 2
		15th	Results presentation: Present the implemented problem solution plan and give an oral presentation of the outcome of implementing it.	Can explain to others how reasonable the implemented solution plan was and the outcome of implementing it.
		16th	No final exam	

Evaluation Method and Weight (%)							
	Examination	Presentation	Report	Behavior	Portfolio	Other	Total
Subtotal	0	40	50	10	0	0	100
Basic Proficiency	0	5	5	10	0	0	20
Specialized Proficiency	0	10	20	0	0	0	30
Cross Area Proficiency	0	25	25	0	0	0	50