Akashi College				Year	Year 2023			Course Title	Manufacturing Engineering PracticeIVB			
Course Information												
Course Code 5428					Course Category		Specializ	Specialized / Compulsory				
Class Format Practical t			trai	ining	Credits School Cre		School C	edit: 1				
Department Mechanica			cal E	Enaineerina	Student Grade	Student Grade 4th						
Term Second S			Sem	nester	Classes per Week 2		2					
Textbook Teaching	and/or Materials											
Instructor OHMORI Shigetoshi												
Course Objectives												
(1) Understand the concepts of CAD and processing, and understand the processes from design to production. (2) Can prepare procedures and an itinerary based on cost and quality of production.												
Rubric												
			I	deal Level	Standard Level			Unacceptable Level				
Achievement 1			F	Fully understan of CAD and pro design to produ	Understand the concepts of CAD and processes from design to production.			Cannot understand the n concepts of CAD and processes from design to production.				
Achievement 2			C p t	Can accurately procedures and akes into acco quality of produ	Can prepare procedures and an itinerary based on cost and quality of production.			Cannot prepare procedures and an itinerary based on cost and quality of production.				
Assigne	d Depar	tment Ol	ojec	ctives								
Teachin	g Metho	d										
Outline	Outline As an applied practice of the exercises learned during years 1 to 3, students will develop the ability to select production methods to perform various tasks efficiently, and will also strive to develop production management capabilities, problem awareness, and resolution skills											
Style	Style Students will split into six groups and carry out different assignments in turn. In addition, we will go on a factory tour to deepen knowledge of production methods.											
Notice Students must be aware of problems, actively think, and cultivate the ability to solve them correctly in to develop the ability to produce "things" as an engineer.									y to solve them correctly in order grade.			
Charact	eristics of	of Class /	Di	vision in Lea	arning							
☑ Active	Learning		C	□ Aided by ICT		□ Applicable to Re		note Class	□ Instructor Professionally Experienced			
									· ·			
Course	Plan											
			The	eme			Goals					
	3rd Quarter	1st	Production comprehensive exercise and evaluation) I-1			(processing	Can j inhibi exerc	Can perform work analysis such as factors inhibit processing efficiency (waste) throug exercises,				
		2nd	Pro and	duction compr l evaluation) I-	ehensive exercise -2	Can perform work analysis such as factors that inhibit processing efficiency (waste) through exercises,						
		3rd	Pro and	duction compr l evaluation) II	ehensive exercise -1	Can analyze and extract problems based on the exercise data.						
		4th	Pro and	duction compr l evaluation) II	ehensive exercise -2	Can analyze and extract problems based on the exercise data.						
		5th	Pro and	duction compr l evaluation) II	n comprehensive exercise (processing ation) III-1			Can compare the plan and the actual results in terms of cost and process control in order to analyze, and can extract the problems.				
2nd Semeste r		6th	Pro and	oduction comprehensive exercise (processing nd evaluation) III-2			Can compare the plan and the actual results in terms of cost and process control in order to analyze, and can extract the problems.					
		7th	Pro and	oduction comprehensive exercise (processing nd evaluation) result presentation				Present and evaluate results by team.				
		8th	Report writing				Accurately summarize the knowledge and techniques acquired in the exercises.					
	4th Quarter	9th	3D-	-CAD applicatio	lication exercise (product making) I-1			Can analyze the prototype to extract the problems.				
		10th	3D-	-CAD applicatio	on exercise (produ	uct making) I-2 Can analyze the problems.			prototype to extract the			
		11th	3D- 1	CAD applicatio	on exercise (produ	se (product making) II-			analyze and evaluate the prototype by acting the problems before making it into a duct.			
		12th	3D- 2	CAD applicatio	on exercise (produ	ıct making) II-	Can analyze and evaluate the prototype by extracting the problems before making it into a product.					
		13th	3D- 1	-CAD applicatio	on exercise (produ	Can analyze a product's sales strategies from market research and other sources.						
		14th	3D- 1	D-CAD application exercise (product making)			Can analyze a product's sales strategies from market research and other sources.					
		15th	3D- resi	-CAD applicatio	on exercise (produ n	ict making)	Present and evaluate the value and features of the product.					

		16th	No final exan	1						
Evaluation Method and Weight (%)										
		Examina	ation	Report	the work		Behavior	Total		
Subtotal		0		60	20		20	100		
Basic Profic	ciency	0		0	0		0	0		
Specialized Proficiency		0		60	20		20	100		
Cross Area Proficiency		0		0	0		0	0		