Oyama College			ege	Year 2022						Manufacturing Engineering	Systems	
Course Information												
Course Code 0005							Course Categor	γ	Specialized / Elective			
Class Format Lecture						Credits		Academic	Academic Credit: 2			
Department Advanced Engineeri			d Course of Mechanical ng			Student Grade		Adv. 1st				
Term Second Se			emester			Classes per We	ek	k 2				
Textbook Teaching		5										
Instructor	Instructor KAWAMURA Takashi											
Course Objectives												
Learn the basics of production system engineering and gain a deeper understanding through exercises. You can understand the concept of optimization design of production system and learn more application examples. Understand the concept of production planning, design, development, operation, evaluation, etc. systematically.												
Rubric												
				Ideal Level			Standard Level		Unacceptable Le	vel		
Achievement 1				1. Learn production system engineering and gain a deeper understanding of production systems through exercises.			Learn production system engineering and understand production systems through exercises.		1. Learn producengineering and understand procent through exercises	cannót luction system		
Achievement 2				2. Understand the concept of optimized design of production systems, and understand application examples.			2. Understand the concept of optimized design of production system.			2. I can't unders concept of optim production syste	nized design of	
Achievement 3				3. Understand the concept of production planning, design, development, operation, evaluation, etc. systematically.			Understand the concept of oroduction planning, design, development, operation, evaluation, etc.			3. I can't unders concept of produ design, develops evaluation, etc.		
Assigne	d Depa	rtn	nent Obj	ectives								
学習・教育				_								
) JABEE (c])								
Teachin	g Meth	od	T									
Outline In this class, you will learn about the contents of the production system, which is important for production activities in factories. In addition, the content will utilize the practical experience of the faculty members who were in charge of production technology at the LSI manufacturing factory.												
Style			Lectures,	reports (timely), regular exams								
Notice Only scientific calculators can be brought in for the test. Textbooks, reference books, notebooks, memos, etc. can							for the test. mos, etc. canno	t be b	rought in.			
Charact	eristics	of	Class / I	<u> Division in L</u>	ea	rning	i			i		
☐ Active Learning				☐ Aided by ICT			☐ Applicable to Remote Class			☐ Instructor Professionally Experienced		
							l			12/10/10/1000		
Course	Plan											
			heme			Goals						
	3rd Quarter	1		Production system engineering			Ui		Understand production system engineering			
			-	Ordering, production schedule, Joh			nson method		rstand order	, , ,		
2nd Semeste r					ing rules, Gantt c				charts, etc.			
		4						ath Understand production forecasts, etc.			etc.	
		5	th P	roduction fored	t, input-output a	nalysis	Understand input-output analysis, etc.			etc.		
		6			re-evaluation, m	nanufacturing	Understand system planning, etc.					
		H	h M		out-output analys	sis, quality		derstand quality control, etc.				
		8	th M	Meeting theory, production forecasting, game theory					Understand meeting theory, etc.			
	4th Quarter	9	_{th} P		g, game theory,	mixed	Unde	Jnderstand production planning, etc.				
		1		5,,,	g, production cor	ntrol system	Unde	Understand the production control system, etc.				
		_			anning, process of			Understand the optimal process plan, etc.				
		1			process control, 5			derstand reliability design, etc.				
		1		· · ·	l time, QC activit			ufacturing lead tir	ne, etc.			
		1			activities and ne		Understand QC activities, etc.					
		1	5th F	Final exam								
		1	6th									
Evaluation Method and Weight (%)												
				Presentation		Mutual Evaluations between students	Behavior	Port	folio	Other	Total	

Subtotal	0	0	0	0	0	0	0
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0