Akashi College				Year 2023			C	Course Title	Desigr	n and Drawing I A		
Course	Informat	ion										
Course Co	ode	512	9			Course	Categ	lory	Specializ	ed / Con	npulsory	
Class Forr	nat	Prac	tical trai	al training					School C	redit: 1	edit: 1	
Department Mech		hanical E	nical Engineering			Student Grade 1st						
Term First Sem			Semest	ter	Classes	Classes per Week 2						
Textbook and/or Teaching Materials												
Instructor	-	SHI	Fenghui									
Course	Objectiv	es										
(1) Under (2) Can d them.	stand the esign majo	standa or parts	rds of m s of vario	nechanical drav ous machinery	ving and can and equipme	accurately cr ent based on	eate their	drawing: specifica	s of mechations, and	anical pa l create	rts, etc. production drawings of	
Rubric												
			I	Ideal Level			Standard Level			Unacc	eptable Level	
Achievement 1				Inderstand the nechanical drav ully accurately f mechanical p	f Underst mechan accurate drawing etc.	Understand the standards of mechanical drawing and can accurately create production drawings of mechanical parts, etc.		Do not understand the standards of mechanical drawing and cannot accurately create production drawings of mechanical parts, etc.				
Achievement 2				Can fully design various machine equipment base pecifications, a production drav	of Can des various equipme specifica n. producti	Can design major parts of various machinery and equipment based on their specifications, and create production drawings of them.		Canno variou equipi specif produ	nt design major parts of is machinery and ment based on their ications, and create ction drawings of them.			
Assigne	d Depart	ment	: Objec	tives								
Teachin	g Metho	d										
Outline Students v machines This cours design in a standards			lents wil hines th course gn in a c dards, p	will learn the basic knowledge and rules of mechanical design drawings necessary to produce that are useful in living, and they will master drawing techniques. se will be held in a lecture style, and taught by a faculty member who is engaged in mechanical a company. He will use his experience to teach students how to represent drawings, including the projections, section and special representation of mechanical design drawings								
Style Lectures			ures will	will be given in line with the textbook, and practice problems wil						e assign	ed.	
Notice We will use many thing submitted b				e the textbook, handouts, etc. to accumulate knowledge and learn about rules. While there are gs to learn, students should practice with patience and perseverance. Assignments must be by the due date.								
Charact	eristics (of Cla	ss / Div	vision in Lea	arnina		engi		- and a cloth			
Active Learning				□ Aided by ICT				to Rem	o Remote Class			
			-			•				•		
Course	Plan											
			The	eme				Goals				
1st Semeste r	1st Quarter	1st	Machine definitions and design dra scale, line, character type, and dra representation			drawing, dra drawing	ring, drawing ring Learn about JIS s and character ty			standar ypes, etc	standards, drawing scale, line pes, etc.	
		2nd	nd Top view drawing		1		Learn	Learn top view drawing.				
		3rd	Dra	Drawing exercise [1] (how to use of lines, top view drawing)			ools,	Can d	raw a hoc	k in the	in the exercise of top view	
		4th	th Projection drawing (1)				Learn third-angle			le projec	projection and orthographic	
		5th	th Projection drawing (2)					Loarn	orthogra	niy. bic proj	ic projection drawing	
		5th	th Projection drawing (2)					Learn auxiliary projection drawing			n drawing.	
		7th	th Section view drawing (1)					Under	Understand section view drawing.			
		8th	Dra	wing exercise (Drawi	Drawing exercise or short test				
	2nd Quarter	9th	Sec	ection view drawing (2)				Learn and p	Learn full section view, one-sided section view, and partial section view drawing.			
		10th	Sec	ection view drawing (3)				Learn	Learn multi-section view drawing.			
		11th	Spe	ecial projection drawing				Learn	Learn special projection drawing.			
		12th Din		mensioning (1)				Learn	Learn dimensioning.			
		13th Dir		mensioning (2)				Learn	Learn dimensioning.			
		14th Dir		mensioning (3)			Learn	Learn dimensioning.				
		15th Thi		ree-dimensional drawing			Learn view a	Learn three-dimensional drawing using isometric view and cabinet projection.				
		16th	Final exam									
Evaluation Method and Weight (%)												
Exam			Examina	ation	Exercise	S		Behavio	r		Total	
Subtotal 50			50		50			0			100	
Basic Prof	Basic Proficiency 0			0				0			0	
Specialized Proficiency 50			50		50			0			100	

Cross Area Proficiency	0	0	0	0