Computer Aided Design (CAD) 1

ein Course Information

Course Number	01005135	Subject Category	Compulsory (MI
Clase Format	Lecture / Practice	Credit Type and Number of Credits	1
Department	Mechatronics	Student Category	Year 4
Period of Study	Semester 1	Classes per Week	2
Required Materials			
Instructor	Hironori KIKUGAWA	Thanapol Luckanawat	

Course Objection
The outrie provide students with an introduction and basis of Contouter Aded Design CAD: Students will be taught basic 200 commands, took multi-wave driver and dimensionise toohrstava, etc. Through the course, students can be in 11 to be able to one worker the basis (targens according to inductine) standards. (2) To be able to film instructions for data, context on dawings.

Evaluation (Rubric)	(Very Good)	Achievement (Good)	Achievement (Fail)
To be able to draw correctly the basic figures according to industrial standards.	To be able to draw correctly the applied figures according to industrial standards.	To be able to draw correctly the basic figures according to industrial standards.	Cannot be able to draw correctly the basic figures according to industrial standards.
To be able to fill in instructions for details on drawings required for production drawings.	To be able to fill in instructions for details correctly on drawings required for production drawings.	instructions for details	Cannot be able to fill in instructions for details on drawings required for production drawings.
To be able to understand the basic functions of CAD software operations and be able to make engineering drawings.	almost all functions of CAD	To be able to understand the basic functions of CAD software operations and be able to make engineering drawings.	Cannot be able to understand the basic functions of CAD software operations and be able to make engineering drawings.

Pelationahip with Learning Outcomes M(3) Ability to design, propose and develop mechanical solutione/ systems for robotic/ mechatronic systems

aching Method			
/tins:	The course provides students with an introduction Design (CAD). Students will be taught basic CAD or drawing and dimensioning techniques etc. Student skills to draw an engineering drawing based on ISO	and basis of Computer-Aided ommands. tools, multi-view s will acquire knowledge and or JIS standards,	
ase Format: sase Note :	Lecture and Practice		
	If you have any questions, please ask me any	time during the lecture.] -
urse Plan Semester 1	Contents and Method of Course	Goala	Related MCX
			V-A 1
1st week	Introduction and Basics of Drawing	Understand the milestone of the drawing and its applications.	V-A 1
1St Week	Introduction and Basics of Drawing	of the drawing and its applications.	
2nd week	No class (Holiday)		
SLID Meek	IND Class (HORDay)		
			V-A 1 V-A 1
3rd week	Projection method (1) CAD software operation training	Understand a projection method and draw correctly using by CAD software	V-A 1
	CHO SUTWATE COSTATION FRAME	using by CAD software	
			V-A 1
		Draw correctly using a	V-A 1
4th week	Projection method (2) CAD software operation training	Draw correctly using a projection method using by CAD software	V-A I
			V-A 1 V-A 1
5th week	Production drawing (1)Dimensioning CAD software operation training	Understand a production drawing and draw correctly using by CAD software	10
	CAU software operation training	using by CAD software	
			V-A 1
		Draw correctly using an	V-A 1
6th week	Production drawing (2) Dimensioning CAD software operation training	appropriate dimensioning using by CAD software	
			V-A 1
7th week	Production drawing (3) Drawing layouts CAD software operation training	Understand a production drawing for appropriate	v-A 1
F OT WERE	CAD software operation training	Understand a production drawing for appropriate layouts using by CAD software	
			1/-A 4
		Draw correction	V-A 1 V-A 1
8th week	Production drawing (4) Drawing layouts CAD software operation training	Draw correctly using an appropriate layouts using by CAD software	
		UND SOTTWARE	
		1	
9th week	Midterm examination	Check your understanding	
Stu Meek	wicitern examination	Crieck your understanding	
		Roflant midtore	<u> </u>
10th week	Reflection and Feedback	Reflect midterm examination and feedback to foster understanding.	
		un under der der Halle.	
		1	V-A 1
11th week	Limita and fita	Understand basic limits and fits for drawing using by CAD software	V-A 1
11th week	Limits and fits CAD software operation training	Tits for drawing using by CAD software	
			1/-A 4
		Understand basic	V-A 1 V-A 1
12th week	Geometrical tolerancing and datums (1) CAD software operation training	Understand basic geometrical tolerancing and datums using by CAD software	
		sottware	-
13th week	No class (Holiday)		
			V-A 1
		Draw correctly using an appropriate symbols for geometrical tolerancing and datums using by CAD software	V-A 1
14th week	Geometrical tolerancing and datums (2) CAD software operation training	geometrical tolerancing and datums using by CAD	
		software	
			V-A 1 V-A 1
15th week	Surface texture CAD software operation training	Understand surface texture and its drawing using by CAD software	10
	CHD SOTIWARE ODERATION TRAINING	CAD software	
16th week	No class (School event)		<u> </u>
		Draw correctly using an	V-A 1 V-A 1
17th week	Application of geometrical tolerances and surface texture CAD software operation training	appropriate symbols for geometrical tolerances and	
	CAD software operation training	Draw correctly using an appropriate symbols for geometrical tolerances and surface texture using by CAD software	
			V-A 4
		Understand surface texture	V-A 1
18th week	Surface texture CAD software operation training	Understand surface texture and its drawing using by CAD software	
		UND SOTTWARE	
19th week	Construction for a survivation	Promote understanding by	
19th week	Exercises for examination	exercises.	
-			-
20th week	Final examination	Check your understanding	
		Reflect midterm examination	
21st week	Reflection and Feedback	Reflect midterm examination and feedback to foster understanding.	
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-	Examination Assignment	Total	
sic Ability			