The University of Jordan School of Engineering



Textbook (26)

Department	Course Name	Course Number	Semester
Mechanical Engineering	Engineering Graphics and Descriptive Geometry	0904131	

2019 Course Catalog Description

Drawing equipment and use of instruments. Lettering, Geometric construction, Sketching and shape description. Basic descriptive geometry, Developments and intersections. Axonometric, oblique and perspective drawings, Multiview projection, Principal views, Conventional practice, and sectional views. Auxiliary views. Dimensioning techniques. Parallel: Introduction to computer drawing, Drawing aids, Geometrical construction, and the appropriate commands of text, editing, plotting, sections, layers, pictorial views, and dimensioning. Auxiliary views.

Auxiliary	views.								
				Instructors					
Name			E-mail	Section	Office Hours	Lecture Time			
		1		Text Books					
			Text bo		Text be				
Title					The fundamentals of Engineering Drawing and Graphic Technology				
Author(s))		James Earle		Thomas E. French and Charles J. Vierck				
Publisher	, Year, E	dition	Prentice Hall, 2003, 11th Edition McGraw Hill Book			pany, 2010, 4 th Edition			
				References					
2. Get 3. Gra			ineering Graphics with AutoCAD 2014, James D. Bethune. ting Started, AutoCAD 2014, Autodesk. phic Science and Design, French, Vierck and Foster. criptive Geometry, Pare, Loving, Hill and Pare, Prentice Hall, 1996.						
Journals			ring Design Graphics Jo						
Internet l	inks	https://v	www.autodesk.com/educ	ation/free-software/a	<u>utocad</u>				
				Prerequisites					
Prerequis	sites by to	pic							
Prerequisites by course									
Co-requis		ourse							
Prerequis	site for		Machine Drawing (0904233) (Mechanical Engineering Students)						
				Topics Covered					
Lecture				Topics		Chapter in Text			
			action to Engineering Gr		<i>Textbook</i> (10, 11)				
			g AutoCAD and Setting						
2	Manual	Textbook (12)							
	ACAD:								
3	Manual	Textbook (13)							
	ACAD:	5 1 1 (1 f)							
4-5			view Drawings and Orth		Textbook (14)				
			-lines, Layers and Hatch		T 1 1 (16)				
6			pering Sections and Hatching g Information and Inquires			Textbook (16)			
			al Drawings and Dimens		Tarthack (20, 25)				
7-8	ACAD:		<i>Textbook</i> (20, 25)						
9		Textbook (27, 28)							
7		ve Auxiliary Views	1 exiduok (21, 20)						
10-11			ction to 3D modeling le Lines, Planes and App	Textbook (26)					
10-11		_	Vireframe and Surface N		1 CMOOOK (20)				
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ACAD: Solid Editing, Slice and Dimensioning

ACAD: Construction of 3D-Orthograhic Views

Manual: Perpendicularity and Angularity

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SOS Course Outcomes to ABET Student Outcomes				Ma	nning of Cour	se Outcomes to	n ABET S	Stude	ent Outcome	S				
1. Appropriate mastery of the knowledge, techniques, skills, and modern tools of the discipline. 2. An ability to apply creativity in the design of systems, components, or appropriate to prograt objectives. 4. Develop and ability to communicate graphically using various engineering tools including a moder computer graphics package. Evaluation	SOs			1120	pping of cour									
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Updated by ABET Committee, 2024														