

**The University of Jordan
School of Engineering**



Department	Course Name	Course Number	Semester
Mechanical Engineering	Machine Drawing	0904233	

2019 Course Catalog Description

Mechanical engineering drawing conventions and abbreviations, various systems of size description, including precision dimensioning, fastening elements, standard organization and preparation of engineering drawings, assembly and detailed drawings, design applications.

Instructors

Name	E-mail	Sec	Office Hours	Lecture Time

Text Books

	Text book 1	Text book 2
Title	Engineering Design Graphics.	Creo parametric tutorial , version 2
Author(s)	Earle, James	
Publisher, Year, Edition	Prentice Hall, 2004, 11 th Edition.	

References

Books	1. Machine Drawing, K.L Narayana, P. Kanniah, K. Venkata Reddy 2. Engineering Drawing , A.W. Boundy 3. Manual of engineering drawing, Colin H. Simmons, Dennis E. Maguire, 2002.
Journals	
Internet links	http://www.ptc.com https://sites.google.com/a/umn.edu/me2011/creo-parametric .

Prerequisites

Prerequisites by topic	-
Prerequisites by course	Engineering drawing (0904131)
Co-requisites by course	-
Prerequisite for	-

Topics Covered

Week	Topics	Chapter in Text	Sections
1	Introduction to Creo parametric software. Starting with creating a 2D sketch.	Textbook 2	
2	3D modeling using Extrude. Rounds and chamfer.	Textbook 2	
3	3D modeling using revolve. Using pallette in the sketch	Textbook 2	
4	Using constrains, mirror, datum planes.	Textbook 2	
5,6	3D modeling using sweep and swept blend.	Textbook 2	
7	3D modeling using helical sweep. How to make pattern.	Textbook 2	
8	Exercises.	Textbook 2	
9	Midterm exam	Textbook 2	

5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies
Updated by ABET Committee, 2024	