



Course Title:	AutoCAD	Course Number	12210349
Department:	Mechanical / Mechatronics Engineering	Designation	Compulsory
Prerequisite(s)	Engineering Drawing 12210136		
Instructor	Dr. Hafiz Daraghmeh	Office	H302
Instructor's e-mail	h.m.daraghmeh@ptuk.edu.ps		
Office Hours	Sun, Mon (12:00- 1:00)		
Time	Wed. (10:00 -12:00)	Class Room:	---
Course description	This course aims to provide students with the principles and Laws of Drawing, drawing using computer. Drawing lines, setting up drawing, object snaps and drawing commands. Modifying and editing commands. Inquiry commands. Layers, dimensioning, scaling and plotting 2D, and 3D drawings.		
Textbook(s):	Lab. sheets prepared by lecturer.		
Other required material:	Perspective Drawing Handbook/ Joseph Damelio		
Course objectives:	AutoCAD Drawing is an important course for all engineering students. By going through this course the student will be familiar with drawing techniques using computer. The course aims to supply the students with enough knowledge to be skilled in drawing principles, laws and operations using computer, they will be able to set up drawing, object snaps, and drawing commands. Layers, dimensioning, scaling and plotting 2D and 3D drawings.		
Topics covered and Calendar:	topics		weeks
	1. Main features of AutoCAD		1
	2. Drawing lines, curves and modifying operations		2,3
	3. Dimensioning procedures and establishing layers		4,5
	4. Object snaps, 3D drawing principles		6,7
5. Drawing, editing and modifying 3D drawings		8	
Class/laboratory schedule:	Two class sessions each week; 120 minutes each		
Grading Plan:	Midterm exam (30 points) Assignments (30 points) Final exam (40 points)		
General Notes:	1. Assignments should be submitted within the due time. 2. Copy and paste of the Assignments is prohibited. 3. Students should join Zoom meetings if organized. 4. Questions in forums should be answered.		

جامعة فلسطين التقنية



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وزارة التربية والتعليم العالي
Palestinian National Authority
Ministry of Education & Higher Education

ABET (a-k)		Mechatronics Program Outcomes
a		ability to apply knowledge of math engineering and science
b		ability to design and conduct experiments and ability to analyze and interpret data
c		ability to design system components or process to meet a need
d		ability to function in multidisciplinary teams
e		ability to identify, formulate and solve engineering problems
f		understanding professional and ethical responsibility
g		ability to communicate effectively
h		Broad education to understand the impact of engineering solutions in a global and societal context
i		recognition of need and ability to engage in lifelong learning
j		knowledge of contemporary issues
k	✓	ability to use techniques, skills and tools in engineering practice