



**Jordan University of Science and Technology**  
**Faculty of Engineering**  
**Civil Engineering Department**

CE302 Civil Engineering Drawing - JNQF Level: 7

First Semester 2024-2025

**Course Catalog**

2 Credit Hours. 2 Credit hours (2 h lectures). Introduction to Engineering Drawing. Sketching, type of lines, Scales, Engineering Construction and Geometry, Orthographic Projection, Isometrics and Oblique. Drawing Sections, Working Drawing, Dimensioning and Introduction to computer Aided Drafting (AutoCAD). Applications cover details and drawings in all civil engineering areas such as Highway Engineering (highway plans, horizontal and vertical alignment, typical sections, drainage systems, and roundabouts), Structural Engineering (details for reinforced concrete and steel structures), Water and Environmental Engineering (pipes and drainage structures), and Foundation Engineering (soil profiles).

**Teaching Method:** On Campus

**Text Book**

<b>Title</b>	Engineering Drawing and Graphic Technology
<b>Author(s)</b>	Thomas E, French J, Vierck J, and Foster.
<b>Edition</b>	4th Edition
<b>Short Name</b>	Ref #1
<b>Other Information</b>	

**Instructor**

<b>Name</b>	<b>Miss Maha Mahmoud</b>
<b>Office Location</b>	C6 L2
<b>Office Hours</b>	Sun : 10:30 - 11:30 Sun : 12:30 - 13:30 Mon : 12:00 - 13:00 Tue : 10:30 - 11:30 Tue : 12:30 - 13:30 Wed : 12:00 - 13:00
<b>Email</b>	mamahamoud@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun, Tue : 11:30 - 12:30 Room: C5025

Prerequisites		
Line Number	Course Name	Prerequisite Type
252000	ME200 Engineering Drawing (A)	Prerequisite / Pass

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Reviewing to Engineering Drawing, Types of lines, Scales, Dimensioning.	
Week 3	Reviewing the use of computer Aided Drafting (AutoCAD) to produce 2D.	
Weeks 8, 9	Applications cover details and drawings in Highway Engineering.	
Weeks 4, 5, 6, 7	Applications cover details and drawings in Structural Engineering.	
Weeks 10, 11	Applications cover details and drawings in Water and Environmental Engineering.	
Weeks 12, 13, 14	Applications cover details and drawings in Foundation Engineering.	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
The student will be able to identify the concepts of engineering detailing and drawing. [1L7K1]	20%	
The students will be able to sketch Plan, Elevation and Section views of simple engineering projects. [1L7S1]	20%	
The student will be able to interpret scale drawings [1L7S1]	20%	
The student will be able to identify orthographic views and dimensions. [1L7S1]	20%	
The student will be able to use of AutoCAD to produce 2D and 3D detailed drawings. [1PI-7a] [1L7S1]	20%	

Relationship to Program Student Outcomes (Out of 100%)											
PI-1a	PI-2a	PI-2b	PI-2c	PI-2d	PI-3a	PI-4a	PI-4b	PI-5a	PI-6a	PI-6b	PI-7a
											20

Relationship to NQF Outcomes (Out of 100%)	
L7K1	L7S1
20	80

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