

Faculty of Engineering & Technology

Civil Engineering Drawing 2

Information :

Course Code : SCM 232 **Level :** Undergraduate **Course Hours :** 2.00- Hours

Department : Department of Structural Engineering & Construction Management

Instructor Information :

Title	Name	Office hours
Lecturer	Moustafa Mokhtar Moustafa Mohamed	9
Assistant Lecturer	MOHAMMED TAHER ABDELHAMID MOHAMMED YOUSSEF	4

Area Of Study :

- 1) Draw steel and concrete structures.
- 2) Use the techniques, skills, and appropriate engineering tools, necessary for engineering practice.
- 3) Demonstrate knowledge of contemporary engineering issues.

Description :

Drawing of steel structures: views, sections, details, reverts, welding, hatching, applications on drawing steel joints and members, Drawing of reinforced concrete structures: views and cross sections, concrete dimensions, reinforcement details, Advanced applications on drawing of civil engineering projects.

Course outcomes :

a. Knowledge and Understanding: :

- 1 - Recall basics of engineering graphics and civil engineering drawings.
- 2 - List the main elements in plan, elevation and side views of the given drawing.

b. Intellectual Skills: :

- 1 - Analyze and compare between structures (e.g., structural and reinforced concrete structures). Analyze and compare between Structures

c. Professional and Practical Skills: :

- 1 - Draw neat detailed drawings.

d. General and Transferable Skills: :

- 1 - Manage time and meet deadlines.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Steel: Trusses & Connections of steel trusses.	12	0	12
Beam-Column connection base.	8	0	8
Details of Fixed base, and hinged base.	12	0	12

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
R.C.: Reinforcement details of slabs	12	0	12
Reinforcement details of Beams and cantilevers and columns	8	0	8
Reinforcement details of foundation.	8	0	8

Teaching And Learning Methodologies :

Class Work

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Final Exam	40.00		
Mid-term Exam 1	20.00		
Mid-term Exam 2	20.00		
Performance	10.00		
Quizzes	10.00		

Course Notes :

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Recommended books :

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Periodicals :

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Web Sites :

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