

**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 :**

Demonstrate knowledge and understanding of Civil Drawing (Metallic sheds, Steel bridges, Reinforced concrete structures).

Recognize the different types of steel Structures.

Draw and illustrate the different views of the steel Structures.

**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 -	Study the given Drawing (Isometric or views
2 -	a2- Drawing the main elements in plan, elevation and side views of the given drawing.
3 -	Drawing the remaining elements
4 -	Drawing the Dimensions and finishing the Drawing.

**b. Intellectual Skills: :**

1 -	Analyze and compare between Structures
2 -	Search for different Structures in Internet

**c. Professional and Practical Skills: :**

1 -	Visiting local Structures
2 -	Making model of a Structure

**d. General and Transferable Skills: :**

1 -	Preparing report containing pictures of all Structures
2 -	Practice working in a team to make the report

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction to steel work	4	0	4
Introduction to steel sections	8	0	8
Steel sections in all views	8	0	8
Steel columns & bases	8	0	8
Steel girders	8	0	8
Steel connections between girders, columns & bases	12	0	12
Concrete sections	8	0	8

**Teaching And Learning Methodologies :**

Lectures  
Tutorials  
Internet search  
Local visits

**Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
Assignments	5.00	10	
Final-Term Examination	40.00	14	
Mid-Term Examination	40.00	5	
Quizes	5.00	10	
Total	100.00	15	

**Course Notes :**

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**Recommended books :**

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**Periodicals :**

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**Web Sites :**

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