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	8
Lecturer	Moustafa Mokhtar Moustafa Mohamed	8
Assistant Lecturer	MOHAMMED TAHER ABDELHAMID MOHAMMED YOUSSEF	4
Teaching Assistant	Mohamed Fathy Salem Mohamed	
Teaching Assistant	Ahmed Mohamed Abdelnaby Ali Shafay	

Area Of Study :

Upon successful completion of this course, the student should be able to: - Understand the basic concepts and main principles - Calculate the values of the essential terms
Regarding steel trusses & Connections beam-column connection Fixed & hinged base details of RC slabs details of RC beams & columns details of foundation

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 -	List the main items of steel trusses & Connections
2 -	Describe the main concept of details of RC slabs
3 -	Describe the main concept of details of RC beams & columns
4 -	Describe the main concept of details of foundation
b.Intellectual Skills: :	
1 -	Assess issues of beam-column connection
2 -	Assess issues of Fixed & hinged base
3 -	Assess issues of details of RC slabs
c.Professional and Practical Skills: :	
1 -	Draw neat details of steel trusses & Connections
2 -	Draw neat details of beam-column connection

3 -	Draw neat details of Fixed & hinged base
4 -	Draw neat details of details of RC slabs
5 -	Draw neat details of details of RC beams & columns
6 -	Draw neat details of details of foundation
d.General and Transferable Skills: :	
1 -	Manage time, and resources effectively

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
steel trusses & Connections	12	0	12
beam-column connection	8	0	8
Fixed & hinged base	8	0	8
details of RC slabs	12	0	12
details of RC beams & columns	8	0	8
details of foundation	8	0	8
Revision	4	0	4

Teaching And Learning Methodologies :

Interactive Lec.

Discussion

Problem Solving

Report / Present.

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Final Exam	40.00		
Mid- Exam I, II	30.00		
Quizzes / Assig.	15.00		
Report / Present	15.00		

Course Notes :

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Recommended books :

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Periodicals :

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Web Sites :
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