

## Faculty of Engineering & Technology

### Construction Project Management

**Information :**

**Course Code :** SCM 351      **Level :** Undergraduate      **Course Hours :** 3.00- Hours

**Department :** Department of Structural Engineering & Construction Management

**Instructor Information :**

Title	Name	Office hours
Lecturer	HOSAM MOSTAFA MAHMOUD EID HEGAZY	6
Teaching Assistant	Ahmed Salah Rashad Ahmed Abdelhakk	4
Teaching Assistant	Mohamed Fathy Salem Mohamed	

**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 management of structural engineering project construction environment management services & construction approaches CPM method & productivity project control & safety application on civil engineering projects

**Description :**

Introduction to structure engineering project management, Introduction to the construction environment, Construction project phases, Selecting the special services for managing and executing the construction project, Construction projects organization, Construction management approaches, Introduction to CPM method, Labor productivity, Material management, Equipment optimum use, Project control, Constructability, Safety in construction, Application with emphasizing on civil engineering projects.

**Course outcomes :**

**a. Knowledge and Understanding: :**

1 -	List the main items of management of structural engineering project
2 -	Describe the main concept of construction environment
3 -	List the main items of management services & construction approaches
4 -	Explain the principals of project control & safety

**b. Intellectual Skills: :**

1 -	Analyze the system of management services & construction approaches
2 -	Solve problems regarding CPM method & productivity
3 -	Assess issues of project control & safety

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

1 -	Prepare technical reports for management services & construction approaches
2 -	Draw neat details of CPM method & productivity

3 -	Prepare technical reports for project control & safety
4 -	Demonstrate presentation regarding application on civil engineering projects
<b>d.General and Transferable Skills :</b>	
1 -	Work in a team

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
management of structural engineering project	4	3	1
construction environment	8	6	2
management services & construction approaches	12	9	3
CPM method & productivity	12	9	3
project control & safety	12	9	3
application on civil engineering projects	8	6	2
Revision	4	3	1

**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 :**

- "Construction Management Fundamentals", Schexnayder, and Mayo, Mcgraw Hill, 2008 Additional References: - Handout notes on MOODLE

**Periodicals :**

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**Web Sites :**

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