

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 :

1. Apply Construction Management Knowledge and Skills to Construction Projects
2. Work effectively with the Project Team
3. Prepare a Project Plan and Budget
4. Control Projects: Time/Cost/Quality
5. Identify, Assess and Monitor Project Risks

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: :

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| 1 - | Define basic concepts of construction Management |
| 2 - | Understand the different types of contracts |

b. Intellectual Skills: :

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| 1 - | Ability to design a contract documents |
| 2 - | Ability to evaluate the proper project organization, |
| 3 - | Ability to differentiate precisely among project stakeholders duties and responsibilities |
| 4 - | Ability to perform planning, and |

c. Professional and Practical Skills: :

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| 1 - | Ability to distinguish construction project and operation of production line (in Factory). |
| 2 - | Ability to identify different types of management |
| 3 - | Ability to categorize construction industry categories and proper management technique that can be implemented |

4 - Ability to plan and schedule work manually.

d.General and Transferable Skills :

1 - The skill of using software in project management scheduling.

2 - presentation of construction organization structures and budgeting

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction to engineering project management,	6	3	3
Introduction to the construction environment, Construction project phases	12	6	6
Selecting the special services for managing and executing the construction project,	12	6	6
Construction projects organization, Construction management approaches,	6	3	3
Introduction to CPM method, Labor productivity, Material management, Equipment optimum use, Project control, Constructability, Safety in construction,	30	15	15
Application with emphasizing on civil engineering projects.	12	6	6

Teaching And Learning Methodologies :

Lectures

Tutorials

practicals

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
1st Midterm Exam	15.00	6	
2nd Midterm Exam	15.00	11	
Final Exam	40.00	15	
Quiz	10.00	3	

Course Notes :

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Recommended books :

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Periodicals :

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Web Sites :

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