Faculty of Engineering & Technology

Resource Management

Information :

Course Code :	SCM 581	**Level** :	Undergraduate	**Course Hours :**	2.00- Hours

Department : Department of Structural Engineering & Construction Management

Instructor Information :

Title	Name	Office hours
Professor	Ibrahim Abdel Rashid Nosier Tony	12
Teaching Assistant	Shrouk Awaad Mohamed Awaad	

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 resource elements contracts & tenders resource leveling time scheduling   organization structures cash flows

Description :

Resource management, Inventory management, Labor management, Work Study, Construction operation analysis, Simulation

Course outcomes :

a.Knowledge and Understanding: :

1 -	List the main items of resource elements
2 -	Define the main terms of contracts & tenders
3 -	Describe the main concept of organization structures

b.Intellectual Skills: :

1 -	Assess issues of contracts & tenders
2 -	Solve problems regarding resource leveling
3 -	Assess issues of time scheduling
4 -	Solve problems regarding cash flows

c.Professional and Practical Skills: :

1 -	Prepare technical reports for contracts & tenders
2 -	Demonstrate presentation regarding organization structures

d.General and Transferable Skills: :

1 -	Work in a team

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Resource elements	8	4	4
Contracts & tenders	8	4	4
Resource leveling	8	4	4
Time scheduling	8	4	4
Organization structures	12	6	6
Cash flows	12	6	6
Revision	4	2	4

Teaching And Learning Methodologies :

Interactive Lec.
Discussion
Problem Solving
Report / Presentation

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Final Exam	40.00		
Mid-term Exam 1	15.00		
Mid-term Exam 2	15.00		
Quizzes / Assignments	15.00		
Report / Presentation	15.00		

Course Notes :

Student Lecture Notes
Handout notes on MOODLE

Recommended books :

"Construction Management Jump Start" 2nd edition, Jacson, Barbara J., 2010