

## 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
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**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