

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 Mahmoud Mahdi Mostafa	
Assistant Lecturer	SARAH SALAH SAYED HUSSEIN ALI ELSHISHTAWY	
Assistant Lecturer	Ahmed Salah Rashad Ahmed Abdelhakk	10

Area Of Study :

At the end of this course, students will be able to:

1. Understand the basic requirements of construction resources
2. Understand the meaning of resources planning
3. Understand the different types of construction resources

Description :

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

Course outcomes :

a.Knowledge and Understanding: :

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|-----|--|
| 1 - | a1- Students understand the basic elements of construction resources |
| 2 - | a2 - Students can recognize management requirements: techniques and |

b.Intellectual Skills: :

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|-----|---|
| 1 - | b1- Planning skills and resource leveling skills |
| 2 - | b2- Knowing the organization structures of companies and projects |

c.Professional and Practical Skills: :

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|-----|--|
| 1 - | c1- Establish cash flows |
| 2 - | c2- Ability to the targets of a successful project |
| 3 - | c3- Apply knowledge of mathematics, science and engineering. |

d.General and Transferable Skills: :

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|-----|------------------------------------|
| 1 - | d1- Lead and motivate individuals |
| 2 - | d2- Manage time and meet deadlines |

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction to construction and Resource management	4	2	2
Resource elements, Contracts and tenders	12	6	6
Resource leveling and time scheduling	12	6	6
Organization structures	12	6	6
Cash flows	8	4	4

Teaching And Learning Methodologies :

Lecture
Research
Class Work

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Final Exam	40.00		
Mid-term Exam 1	20.00		
Mid-term Exam 2	20.00		
Performance	10.00		
Quizzes	10.00		

Course Notes :

Student Lecture Notes