

Faculty of Engineering & Technology

Quantity Surveying and Cost Control

Information :

Course Code : SCM 552

Level : Undergraduate

Course Hours : 2.00- Hours

Department : Department of Structural Engineering & Construction Management

Instructor Information :

Title	Name	Office hours
Associate Professor	Dina Muhammad Fathy Ors	
Lecturer	Dina Yehia Zakaria Ewais	1
Assistant Lecturer	Ahmed Salah Rashad Ahmed Abdelhakk	6
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Area Of Study :

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

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 :

Approximate estimate, Detailed estimate: quantity survey, labor cost, equipment cost, subcontractor cost, purchasing orders, indirect cost, Bid calculation, Unit cost estimate, Cost planning, Traditional cost control methods, Network base cost control methods.

Course outcomes :

a.Knowledge and Understanding: :

1 -	a1- Students understand the principles of project management, the project
2 -	a2 - Students can recognize management requirements: techniques and

b.Intellectual Skills: :

1 -	b1- Analyze the quantity take-off and quantity working-off
2 -	b2- Knowing construction approaches such as planning, quality, safety etc.
3 -	b3- Develop balanced and un-balanced bill
4 -	b4- Develop tendering documents

c.Professional and Practical Skills: :

1 -	c1- Establish construction plans
2 -	c2- Understand the management and execution of construction
3 -	c3- Apply knowledge of mathematics, science and engineering

d.General and Transferable Skills: :

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 Estimating Process	4	2	2
Stages for tender preparation and project cost system and Types of Estimate	12	6	6
Quantity surveying	12	6	6
Cost Estimating and types of resources	8	4	4
Balanced bid and unbalanced bid	8	4	4
Develop project specification and bid item	8	4	4
Stages for tender preparation and project cost system	4	2	2

Teaching And Learning Methodologies :

Class Lectures
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

Recommended books :

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Periodicals :

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Web Sites :

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