

**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
Lecturer	HOSAM MOSTAFA MAHMOUD EID HEGAZY	6
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Assistant Lecturer	Nada Mohamed Abd El Hamid Ali Mohamed	
Teaching Assistant	Ahmed Mohamed Abdelnaby Ali Shafay	
Teaching Assistant	Mohamed Ahmed Reda Abas Ahmed	
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Teaching Assistant	Mohamed Ahmed Reda Abas Ahmed	

**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 cost estimating quantity surveying types of resources balanced & unbalanced bid project specification tender preparation

**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 -	Define the main terms of cost estimating
2 -	List the main items of types of resources
3 -	Describe the main concept of balanced & unbalanced bid

**b.Intellectual Skills: :**

1 -	Calculate the values of cost estimating
2 -	Solve problems regarding quantity surveying
3 -	Assess issues of types of resources
4 -	Solve problems regarding balanced & unbalanced bid

**c. Professional and Practical Skills: :**

1 -	Prepare technical reports for project specification
2 -	Demonstrate presentation regarding tender preparation

**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
Cost estimating	8	4	4
Quantity surveying	8	4	4
Types of resources	8	4	4
Balanced & unbalanced bid	12	6	6
Project specification	12	6	6
Tender preparation	8	4	4
Revision	4	2	2

**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 / Presentations	10.00		

**Course Notes :**

Student Lecture Notes
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**Recommended books :**

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

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**Web Sites :**

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