

## 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 :

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

#### **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

#### **Recommended books :**

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

#### **Periodicals :**

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#### **Web Sites :**

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