

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 | RANA NABIL FATTOUH KHALLAF | 2 |
| 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 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: :

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|-----|--------------------------------------------------------|
| 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: :

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|-----|----------------|
| 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

Recommended books :

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

Periodicals :

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Web Sites :

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