

1.8 Semester 8

CB415 Quantity Survey.,Cost Estimat. & Specs.

COURSE INFORMATION

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laborator y	
CB354 CB322	4	8	2	2	0	3

COURSE AIM

The course aims at introducing the student to the fundamentals of quantity surveying, cost estimating and specifications.

COURSE WEEKLY CONTENTS

- 1 Introduction to quantity surveying and its role in construction project management.
- 2 Quantity surveying of earthworks and earth structures.
- 3 Quantity surveying of reinforced concrete skeleton in buildings
- 4 Quantity surveying of reinforced concrete skeleton in buildings
- 5 Quantity surveying of reinforced concrete skeleton in buildings
- 6 Quantity surveying of finishing in buildings 1.
- 7 7th week exam and quantity surveying of finishing in buildings 2. + Midterm Exam
- 8 Quantity surveying of finishing in buildings 2.
- 9 Introduction to cost estimating: direct and indirect costs.
- 10 Estimating material costs.
- 11 Estimating labor and equipment costs.
- 12 Applications and term projects (1,2).
- 13 Bidding strategies and markup estimates.
- 14 Bill of Quantities development and use.
- 15 Construction specification writing, types and uses.

STUDENT GRADING & ASSESSMENT

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
1 to 7	20 Midterm	←	10	MARKS		→	30
To be freely distributed among possible assessments							
8 to 12	←		20	MARKS		→	20
13 to 15	←		10	MARKS		→	10
16 or 17	40 Final						40
Total	Exams	Assign.	Quizzes	Reports	Present.	Lab.	100

REFERENCES

Textbook Fundamentals of Construction Estimating, 3rd Edition, Pratt, David, Delmar Publishers Inc, 2010.

Other Project Management in Construction, 6th Edition, Levy, S.M. McGraw Hill Inc., N.Y., USA, 2011.
Construction Specifications Writing: Principles and Procedures, 6th Edition, Mark Kalin, Robert S. Weygant, Harold J. Rosen, John R. Regener Wiley, 2010.
Estimating Construction Costs, 6th Edition, Peurifoy R.L. McGraw Hill, N.Y., USA, 2013.
Building Construction Cost Data (Means Building Construction Cost Data), 72nd Edition, Waier, Phillip, R. Publisher: R.S. Means Company, USA, 2013.