King Saud University

College of Engineering

Department of Civil Engineering

**CE 412: Construction Cost Estimating & Control**

Instructor: Dr. Naif Turki Ibn-Homaid

**Course outline:**

**Week Chapter Topic**  **Problems & Student Exercises**

1 Ch. 0 Introduction & Preface

2 Ch. 1 Overview of the Construction Estimating Process 1.1,1.2,1.3

3 Ch. 2 Computers in Construction Estimating 2.1, 2.2, 2.3

4 Ch. 3 Overview of the Detailed Estimate 3.1,3.2, 3.3, 3.4

5 Ch. 4 Developing the Cost of a Detailed Estimate 4.1,4.2,4.3,4.4,4.5,4.6,4.7, 4.8

6 Ch. 5 Earthwork 5.1, 5.2, 5.3,

7 Ch. 5&6 Earthwork & Concrete 5.4, 5.5, 6.1, 6.2

8 Ch. 6 Concrete 6.3, 6.4, 6.5, 6.6,6.7

9 Ch. 7 Masonry 7.1, 7.2, 7.3

10 A Mid-Term Exam will be held in class during this week (2 hours)

11 Ch. 8 Metals 8.1,8.2,8.3,8.4,8.5

12 Ch. 11 Plumbing, Mechanical, and Electrical 11.1,11.2,11.3,11.4

13 Ch. 12 Transfer of the Estimate to the Construction Process 12.1, 12.2

14 Ch. End Final Review & Project Presentations

15 Ch. End Project is due.

Final Exam (3 hours)