

## College of Environmental Design

### Construction Engineering & Management



This course should be of great interest to cost engineers in the private and government sectors. Participants who will benefit from this course will be those individuals involved in the cost estimation, such as architects, architectural engineers, cost estimators, project managers, as well as owners, contractors, educators, municipal officials and administrators. Participants should have a working knowledge of English and computer skills are essential.

#### Course Date and Time:

١٥-١١ صفر ١٤٢٧هـ

March 11-15, 2006

8:00 A.M. to 4:00 P.M.

Course Duration: 5 Days

Course Language: English

Course Fee: SR 3500

Location: Building 19  
Room 443

#### Course Coordinator

**Mr. Mohammed Jalaluddin**

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## تكاليف التشييد بإستعمال برنامج تميرلاين

### Cost Estimating Using Timberline 7.1.2

#### Course Description

This course provides review of fundamentals in cost aspects of construction, review types of estimates, quantity take-off methods, estimating references, review of labor and equipment production rates, Unit costs, Overhead, and Profits, creation and coordination of cost control systems. The objective of this course is to provide introduction to TIMBERLINE ESTIMATING 7.1.2 software and basic fundamentals of computerized estimating.

TIMBERLINE 7.1.2 is a computerized Cost Estimating software package for building Estimates for construction projects. It has comprehensive package of cutting-edge Estimating tools. Timberline Estimating standard makes it easy to create, analyze and fine-tune your Estimates. This course focuses on creating new estimates using Timberline software, takeoff methods (quick, item and assembly), modifying estimates, graphical reporting and database development. This course teaches you how to set up resources, crews, labor and equipment rate tables, WBS codes, WBS libraries and estimate adjustments. A comprehensive workbook and duplicate files of course work are provided for future reference. Hands-on computer lab time combined with lecture will ensure a good foundation for the software training.

#### Course Outline/Topics

The following topics are thoroughly covered in this course:

- Review of fundamentals in cost aspects of construction
- Review of types of Estimates, Quantity take-off methods, Estimating references
- Review of labor and equipment production rates, unit costs, overhead, and profits
- Creation and coordination of cost control systems
- Introduction to TIMBERLINE 7.1 2004 and basic fundamentals of computerized estimating
- Setting up an estimate & working with estimate tools (Assembly Takeoff, Using Assembly Takeoff Building more Assemblies)
- Manipulating estimates and creating reports (Revising your estimate, working with your estimate, printing reports. Experimenting with report options)
- Database structure and customization (Setting Up the database, creating phases and addons).

#### Instructors

1. Dr. Sadi Assaf, Professor
2. Dr. Soliman Almohawis  
Associate Professor
3. Dr. Abdulaziz Bubshait, Professor
4. Dr. Ashraf Elazouni, Assistant Professor
5. Dr. Osama Jannadi, Professor
6. Dr. Mohammed al-Khalil  
Assistant Professor
7. Dr. Ali Shash, Professor
8. Mr. Mohammed Jalaluddin, Lecturer