

THREE RIVERS COMMUNITY COLLEGE
CONSTRUCTION ESTIMATING
 Spring Semester 2005, Monday 6pm - 8:45pm

Instructor: Mike Trzesniowski, (000-0000,), email mtrzesniowski@standardbuilders.com

Grade: Quizzes (4) 50% Mid term 25% Final 25%

Course Objectives:

- Be able to interpret, read and understand construction documents and specifications.
- Be able to prepare a conceptual estimate.
- Be able to estimate building costs by systems.
- Be able to understand selected aspects of the bidding process.
- Be able to analyze construction productivity.
- Be able to apply estimating skills and understand their integration into computer spreadsheet applications.

Method: Lectures, Slide Lectures, Simulations, Class Discussion

Text: **Excel Estimating Template, Instructor Supplements**

<u>Week 1</u> (1/24)	Over-view (Review Sample) Why and how we Estimate	<u>Week 9</u> (3/21)	Spring Break No Classes in Session
<u>Week 2</u> (1/31)	Estimating Concepts Calculating Methods for Quantities	<u>Week 10</u> (3/28)	Estimating Equipment Types and Prices
<u>Week 3</u> (2/07)	Estimating Concepts (Cont'd) Identifying Labor Costs	<u>Week 11</u> (4/04)	Overhead & Profit Overhead vs. Expense, Profits
<u>Week 4</u> (2/14)	Estimate Types Budget, Control, and Detailed Estimates	<u>Week 12</u> (4/11)	Project Contingencies Risk, Unforeseens, Geography
<u>Week 5</u> (2/21)	Presidents Day No Classes in Session	<u>Week 13</u> (4/18)	Estimating Errors Accuracy, Trouble Shooting
<u>Week 6</u> (2/28)	Organizing the Estimate The CSI and MasterFormat	<u>Week 14</u> (4/25)	Unit Prices Material, Labor, Crew Methods
<u>Week 7</u> (3/07)	Estimating Procedures Quantity, Waste, Pricing	<u>Week 15</u> (5/02)	SAMPLE ESTIMATE Final Project
<u>Week 8</u> (3/14)	Estimating Procedures (Cont'd) Labor	<u>Week 16</u> (5/09)	Final Exam Course Complete

COURSE REQUIREMENTS:

Notebook

Students will assemble a notebook, to be made up of handouts distributed at the beginning of each class. A 3" "Slant-ring" notebook with plastic sheet protectors is recommended – this will be a good resource for future reference.