

Revised:
August 4,
2008

IT-390

Cost Estimating Grayslake Fall 08

Instructor: David T Williams
Office : 1-618-453-7820
Departmental Office : 1-618-536-3396
E-mail (SIU) : dtw322@siu.edu

COURSE OBJECTIVE: To educate the student with concepts and techniques of cost estimating, including labor analysis, material analysis, accounting analysis, forecasting, various estimating methods, operation estimating, product estimating, and engineering economy. The student will demonstrate aptitude and comprehension in these areas by submitting the required coursework, during class participation, and the assessment instruments administered during the course.

Textbook:

Cost Estimating by Phillip F. Ostwald, 1rd. Edition, published by Prentice-Hall, New Jersey, 2004

Blackboard

The student must establish a Blackboard account. Follow the direction on the library page to accomplish this. This is required and failure to do so will result in the lowering of the final grade.

Other Reference Materials

The lecture materials and text will be supplemented with information obtained by the student from the internet. Internet access outside of the class weekends will be advantageous but not required.

Calculator

The student is required and expected to bring a standard scientific calculator to class. You will need to bring the manual to class. These manuals are usually available for download online. The calculator must be able to do logarithms and descriptive statistics (mean, median, and mode, standard deviation, and variance). Calculators are a tool and are required. A calculator can be obtained for less than 20 dollars that will suffice. Just as any tools functionality and quality varies with cost, you will get what you pay for. The preferred calculator is the Ti-89 Titanium. It is a quality tool with a purchase price in the range of a new textbook. This calculator will serve you well not only in this class but every class you may encounter. It will also serve you well in industry. Just like in industry, the proper tools are required for the job; the proper calculator tool is required for this course. However, a calculator that can be obtained for less than 20 dollars will be adequate for the coursework.

Evaluation of Student Performance:

- A: 90-100%
- B: 80-89%
- C: 70-79%
- D: 60-69%

F: <60%

Class participation	10%
Test 1	25%
Test 2	25%
Test 3	25%
Paper	15%

Attendance

Attendance is required. Missing one day of class is comparable to missing over 2 weeks of class in the traditional setting. Missing class will result in a lowering of the final grade. Exceptions will be considered and in rare and exceptional cases granted, but make up work will be assigned.

Equipment: A calculator designed for scientific application or business will be required. The mathematics required for the course material includes those functions found on the better calculators. However, the cost of a typical calculator sufficient to handle all the mathematics is in the lower midrange.

Class Hours:

8:00AM - 4:45PM adjusted as needed to accomplish the objectives. Breaks and lunch times will be determined and taken as necessary.

No Late work will be accepted

IT-390

Cost Estimating Homework Assignments

Weekend I Homework Problems

Chapter 1 none

Chapter 2 2.3, 2.4, 2.9, 2.10, 2.11, 2.15, 2.18, 2.22, 2.23, 2.24, 2.26

Chapter 3 3.1, 3.3, 3.7

Weekend II

Exam 1 Chapters 1, 2, 3

Chapter 4 4.6, 4.7, 4.10, 4.11, 4.12, 4.17, 4.26, 4.27, 4.28

Chapter 5 5.1, 5.2, 5.3, 5.4, 5.5

Chapter 6 6.5, 6.6, 6.7, 6.8

Weekend III**Exam 2** Chapters 4, 5, 6

Chapter 7 7.1, 7.2, 7.8, 7.9

Chapter 8 8.1, 8.2, 8.3, 8.4, 8.10

Chapter 10 10.1, 10.2, 10.3, 10.4, 10.5, 10.6

Exam 3 Chapters 7, 8, 10

Paper Note: The paper will be assigned and discussed the first weekend of class. The assessment procedure for the final project includes the obvious mechanical writing expectations of no spelling and grammar errors, professional appearance, and demonstration of proficiency in the use of software to produce reports, data presentation, and graphs. The subject matter and content of this project will be discussed in class. It is due on the last class-meeting day.

GRADING POLICY: Missed exams have a 20% penalty unless an appropriate, prior excuse is given to the instructor. The missed exam must be completed on the make-up date set by the instructor.

ACADEMIC CONDUCT: Cheating on examinations, submitting work of other students as your own, or plagiarism in any form will result in penalties ranging from an **F** on the assignment to expulsion from the university, depending on the seriousness of the offense.

The instructor reserves the right to make changes to this syllabus, course content, or other applicable changes. The instructor has the final say as to the administration of policy and serves as judicator in the classroom.

Revised:
8/4/08