
Project Description

The goal is to prepare a cost estimate and cost control plan for a project of your choice. Students will work individually.

The student should provide a cost estimate on an engineering project of choice, develop cost control strategies and will present their work to the class.

The students should demonstrate the capacity to present information concisely; therefore, there is a page limitation that will be strictly enforced. As with the other course deliverables the project report should be delivered on time to receive credit.

The project should be large enough to use as many cost estimation techniques as possible, but not so large that the student struggles to finish it during a semester time period.

The deliverables are:

- **Project topic:**

One page including at least the following information: Project name and scope, motivation for choosing the topic, data availability to prepare the estimate and an initial cost estimate. Is your project an academic exercise or will be used in your professional or personal life?

- **Kickoff presentation:**

This will be a presentation of no more than 15 slides accompanied by a one page report including the following information: Data acquired as of today, deliverables of the work output being estimated as stated in the WBS, preferred date of final presentation and a “Top Down estimate of the cost”.

- **Final presentation:**

This will be a 20 – 25 slides presentation accompanied by a one page report summarizing the entire cost estimate.

- **Written report:**

The final report format is flexible. As guidance, the student may use the format presented in the lecture notes. At minimum there should be a one page with the project’s critical or most relevant data, a project summary of maximum 10 pages including graphs and tables, and a supporting section for the calculations, data sources and methods utilized. All supporting data such as drawings, quotations, tables etc. should be located in appendices.

The reports will NOT be returned to the student! Please make copies for your records.

Grading

The course project is worth a considerable portion of the total course grade the evaluation includes the deliverables listed above. Please see the course calendar for due dates and weights.

Course Policies

Casual discussion of the course project is allowed and encouraged. However, each student should prepare the deliverables independently unless authorized to work in a team. Each student should review the Florida International University Code of Academic Integrity which can be found at:

<http://www.fiu.edu/provost/polman/sec2/sec2web2-44.htm>

Please inform of any accommodations needed relative to disabilities. Also, please review the calendar and inform of any work that can’t be performed due to attendance to a religious event. **The student must submit all course assignments on time to receive credit, late assignments will not be accepted unless exceptional circumstances occur.** Exceptional circumstances including severe weather alert when recognized by the University, will be considered on a case by case basis. Business or leisure travel does not constitute exceptional circumstances. In the event of travel the student should take any

necessary measures to submit deliverables electronically. CE 6 provides an electronic drop box, students may submit their work using that feature except for the final project report. Students with special needs should contact the instructor to discuss specific cases.

Electronic Files

Please provide electronic copies of the course deliverables including all files used. These should be uploaded to CE 6 in the digital drop box. Use the following format for the file names:

lastname_deliverable.ext

For example if Mr. John Smith is submitting the first homework he should name the file as:

smith_homework1.doc

The extension of the file should be compatible with the software that created it