

Common Course Outline
CONT 256
Construction Cost Control
3 Credits

The Community College of Baltimore County

Description

CONT 256 - Construction Cost Control includes the study of cost control methods utilized by the construction industry, including the study of records of labor, material, and equipment. It also addresses techniques for identifying, recording, measuring, and evaluating financial information.

3 credits

Prerequisite: CSIT101 and CONT 106 or permission of the Construction Management Coordinator

Overall Course Objectives

Upon completion of this course students will be able to:

1. identify project phases;
2. define the Building Team and describe the team's methods of interaction;
3. utilize a developer's pro forma to determine whether a project is worth developing;
4. establish an estimate format to effectively store, retrieve, and analyze project costs;
5. evaluate a project from a Contractor's point to view to determine whether a project is worth pursuing;
6. project basic job costs;
7. describe basic estimating requirements and their relationship to bid, construction, and post-construction;
8. retrieve bid data during a project for analysis;
9. control sub-bids and contractors to keep the project on track;
10. analyze data during a project to maintain profitability or to reduce losses;
11. appreciate the impacts of time on a project, including the costs of regaining lost time;
12. control costs during construction; and
13. analyze the importance of Project Start-up and Close-out, and the costs involved with each.

Major Topics

- I. Basics of construction cost controls
- II. Project requirements
- III. Project phases
- IV. The Building Team
- V. Building Team effects on the project
- VI. Estimating and project cost accounting
- VII. Maintain profits and minimize losses

- VIII. Comprehensive method and process for storing, retrieving, and analyzing information
- IX. Implementation of information analysis for construction cost control problem solving

Course Requirements

Grading procedures will be determined by the individual faculty member but will include the following:

Grading/exams:

- Homework
- Projects
- Mid term
- Term paper/oral report
- Classwork
- Team project
- Quizzes
- Final exam

There will be a minimum of 8 graded assignments.

Writing: The individual faculty member will determine specific writing assignments. Students are required to utilize appropriate academic resources.

Other Course Information

This course is a Construction Management elective.

This course is only offered in the fall semester.

Individual faculty members may include additional course objectives, major topics, and other course requirements.

Date Revised: 03/08/2013