

METROPOLITAN STATE COLLEGE of DENVER
Office of Academic Affairs

REGULAR COURSE SYLLABUS

School of: Professional Studies

Department: Engineering Technology

CIP Code: 15.0201

Prefix & Course Number: CET 4110

Crosslisted With*: _____

Course Title: Senior Project II

Check All That Apply: Required for Major: Required for Minor: _____ Specified Elective: _____

Required for Concentration: _____ Elective: _____ Service Course: _____

Credit Hours: 2 (0+4)

Total Contact Hours per semester (assuming 15-16 week semester):

Lecture 0 Lab 60 Internship _____ Practicum _____ Other (please specify type and hours): _____

Schedule Type(s): Q Grading Mode(s): L

Variable Topics Courses (list restrictions, including the maximum number of hours that can be earned**):

** NOTE: This information must be included in the course description.

Restrictions (Variable Topics Course): _____

Prerequisite(s): CET 4100 with a grade of "C" or better

Corequisite(s): _____

Prerequisite(s) or Corequisite(s): _____

Banner Enforced:

Prerequisite(s): CET 4100 with a grade of "C" or better

Corequisite(s): _____

Prerequisite(s) or Corequisite(s): _____

Catalog Course Description:

In this course, the students will build, test, and demonstrate the project they started in CET 4100. Written technical reports and oral presentations on the project are required. Part of this course involves the student working with a faculty member who acts as a consultant. (Senior Experience)

APPROVED: RB 02/18/2010
Richard P. Poggi

Department Chair OR Program Director

2/18/2010
Date

Nancy Hyl

Dean OR Associate Dean

3/1/10
Date

Shera Thompson

Associate VP, Academic Affairs

5/4/10
Date

*If crosslisted, attach completed Course Crosslisting Agreement Form

Prefix and Course Number: CET 4110

Required Reading and Other Materials will be equivalent to:

Handouts by faculty on specific project.

Specific, Measurable Student Behavioral Learning Objectives:

Upon completion of this course the student should be able to:

1. Revise a project as needed based on Preliminary Report feedback.
2. Construct and demonstrate the functionality of the project.
3. Conduct and evaluate final cost estimating of the project.
4. Track project progress toward completion and document any unforeseen challenges encountered.
5. Identify impediments to project completion and make necessary modifications to the project and plan.
6. Demonstrate critical thinking and analysis in resolving problems encountered.
7. Create a formal presentation of the project technology, cost, and implementation.

Detailed Outline of Course Content (Major Topics and Subtopics) or Outline of Field Experience/Internship (experience, responsibilities and supervision):

- I. Implement Project Plan
- II. Develop Written Technical Report
 - A. Standards for Report
 1. Course
 2. Industry
 - B. Cost Estimating
- III. Develop Presentation Plan
 - A. Oral Presentation
 - B. Project Demonstration
 - C. Discussion of Project Failed Goals
- IV. Public Presentation

Evaluation of Student Performance:

1. Written Technical Report
2. Oral Presentation
3. Project Outcome Compared to Design Objectives
4. Project Success in Achieving Design Objectives