

METROPOLITAN STATE COLLEGE of DENVER
Office of Academic Affairs

REGULAR COURSE SYLLABUS

School of: Professional Studies

Department: Engineering Technology

CIP Code: 15.0303

Prefix & Course Number: EET 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): SPE 1010, EET 4100 and EET4340 all with a grades of "C" or better

Corequisite(s): _____

Prerequisite(s) or Corequisite(s): _____

Banner Enforced:

Prerequisite(s): SPE 1010, EET 4100 and EET4340 all with a grades of "C" or better

Corequisite(s): _____

Prerequisite(s) or Corequisite(s): _____

Catalog Course Description:

In this course, the student completes the project he or she started in EET 4100. The project is built, tested, and demonstrated. 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: *Richard Pozzi* 3/11/2011
 Department Chair OR Program Director Date

BK Morganeegg 3-11-11
 Dean OR Associate Dean Date

Abelita A Thompson 6/2/11
 Associate VP, Academic Affairs Date

*If crosslisted, attach completed Course Crosslisting Agreement Form

Prefix and Course Number: EET 4110

Required Reading and Other Materials will be equivalent to:

Alan D. Wilcox & Burns Marshall, September 1989, *Engineering Design for Electrical Engineers*, Pearson, Ed, (Required).

Specific, Measurable Student Behavioral Learning Objectives:

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

1. Complete and test a design project.
2. Write a technical report on actual design work.
3. Orally present a technical report.

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

- I. Student Completes Design Started in EET 4100.
- II. Student Constructs Design.
- III. Student Tests Design.
- IV. Student Makes Necessary Changes in Design.
- V. Student Demonstrates Project to Class.
- VI. Student Makes Oral Presentations to Class.

Note: Part of this course involves the student working with a faculty member who acts as a consultant.

Evaluation of Student Performance:

1. Written technical report
2. Oral presentation
3. Achieving design objectives

**REQUEST FOR NEW OR CONTINUED SENIOR EXPERIENCE DESIGNATION
SENIOR EXPERIENCE**

(To accompany old and new regular syllabus form and Curriculum Change Proposal forms)

Date: November 1, 2010

School: School of Professional Studies

Department: Engineering Technology

Prefix	Course Number	Credit Hours	Contact Hours	CIP Number
EET	4110	2	60	15.0303

Title: Senior Project II (0+4)

Prerequisites: : SPE 1010, EET 4100 and EET4340 all with a grades of "C" or better

Corequisites: _____

Recommended maximum enrollment per section: 15

Current Course Status (check all that apply)

New course

Existing Senior Experience Course

Criteria for Senior Experience

The following criteria must be addressed for all courses seeking Senior Experience designation.
Please type on this form; it will expand to accommodate any length of text.

The Senior Experience must allow students to:

1. synthesize learning through critical analysis and logical thinking.

The student was given the goals and criteria of this course in EET 4100. In consultation with the faculty member the student selected and planed a design project. The student completes the design and constructs the project in EET4110.

2. apply theoretical constructs to practical applications.

The student completes design work of the project and constructs the project using and demonstrating analysis and synthesis of skills learned as a major. Preliminary work on the design and planning of the project occur in the companion course EET 4100.

3. critique philosophical tenets and current practices.

Students are required to research current industry design methods and reference them in the final written technical report.

4. integrate and refine oral and/or written communication skills.

The student must complete a written technical report on the design and give a formal presentation of the design project.

5. verify their expertise.

The student's a final project is a written technical report on: design objectives, project design, and, project construction.

Approvals:

Zuzana Balogh 6/2/28/2011
Department Curriculum Committee / Date

Richard Potts 3/1/2011
Department Chair OR Program Director / Date

P.M.V. 3/11/11
School Curriculum Committee / Date

R.J. Morganegg 3-11-11
Dean or Associate Dean / Date

Mark Thompson 6/2/11
Chair, Faculty Senate Curriculum Committee / Date
Associate Vice President, Academic Affairs / Date