METROPOLITAN STATE COLLEGE *of* DENVER
Office of Academic Affairs

REGULAR COURSE SYLLABUS

School of: Professional Studies

Department: Engineering Technology

Prefix & Course Number: EET 4700 **Crosslisted With*:** _____

Course Title: Special Topics in Electrical Engineering Technology

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

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

Credit Hours: 3 (3+0)

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

Lecture 45 Lab 0 Internship _____ Practicum _____ Other (please specify type and hours): _____

Schedule Type(s): L **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): EET 3120 with a grade of "C" or better

Corequisite(s): _____

Prerequisite(s) or Corequisite(s): _____

Banner Enforced:
Prerequisite(s): EET 3120 with a grade of "C" or better

Corequisite(s): _____
Prerequisite(s) or Corequisite(s): _____

Catalog Course Description:
This course identifies and researches current and emerging trends, topics and developments in the field of electrical engineering to determine their impact on society and identify changes in the society that could result due to these new developments.

APPROVED: Richard Pioso 3/1/2011
Department Chair **OR** Program Director Date

Dean **OR** Associate Dean Date

Associate VP, Academic Affairs Date

*If crosslisted, attach completed Course Crosslisting Agreement Form

Prefix and Course Number: EET 4700

Required Reading and Other Materials will be equivalent to:
(example: Smith, J.R. (2004). *Book of Examples*. New York, NY: McGraw-Hill)
No text Required

Specific, *Measurable* Student Behavioral Learning Objectives:
Upon completion of this course the student should be able to:

1. Research current topics related to electrical engineering issues specifically, computers, communications, alternative energy and motors.
2. Analyze the impact of emerging technology, such as alternative energy, mobile communication advancements or computer enhancements on society
3. Evaluate the impact of new technology related to cost, security and ethical issues.
4. Create presentations concerning current literature on a specific topic focused on financial, technical and social implications,

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

I. Identification and selection emerging technologies for research

II. Presentation of raw research findings

III. Discussion of topics

IV. Social ramifications of new technology

V. Ethical ramifications of new technology

VI. Financial ramifications of new technology

VII. Technical implications of emerging research

Evaluation of Student Performance:

Research Papers
Presentations