The University of Texas at Tyler
Department of Electrical Engineering

Course: EENG 4350 – Special Topics in Electrical Engineering (Elective)

Syllabus

Catalog Description:
Advanced studies in electrical engineering in topics not fully covered in existing undergraduate courses. May be repeated as topics change. A maximum of nine (9) hours may be applied toward the undergraduate degree.

Prerequisites: Consent of instructor

Credits: (3 hours lecture, 0 hours laboratory per week)

Text(s): Text to be chosen by the instructor

Additional Material: To be specified by instructor

Course Coordinator:

Topics Covered: (paragraph of topics separated by semicolons)
1. Topics vary depend upon the subject material of the particular offering of this course.

Evaluation Methods: (only items in dark print apply): Any and all methods below may be used.
1. Examinations / Quizzes
2. Homework
3. Report
4. Computer Programming
5. Project
6. Presentation

Course Objectives:\ By the end of this course students will be able to:
1. Analyze systems or algorithms studied in this course [1-6];
2. Design systems or algorithms as appropriate to the subject material [1-6];
3. Evaluate the merits of various approaches to solving problems related to the subject material [1-6].

\Numbers in brackets refer to method(s) used to evaluate the course objective.

Relationship to Program Outcomes (only items in dark print apply): This course supports the following Electrical Engineering Program Outcomes, which state that our students will:

2. have the ability to use modern engineering tools and techniques in the practice of electrical engineering [1-3];
3. have the ability to analyze electrical circuits, devices, and systems [1];
4. have the ability to design electrical circuits, devices, and systems to meet application requirements [2];

6. have the ability to identify, formulate, and solve problems in the practice of electrical engineering using appropriate theoretical and experimental methods [3];

10. have a recognition of the need for and ability to pursue continued learning throughout their professional careers. [3]

*Numbers in parentheses refer to the degree to which this course supports the listed Electrical Engineering Program Outcome. Numbers in brackets refer to course objective(s) that address the Program Outcome.

Contribution to Meeting Professional Component: (in semester hours)

<table>
<thead>
<tr>
<th>Mathematics and Basic Sciences:</th>
<th>0 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Sciences and Design:</td>
<td>3 hours</td>
</tr>
<tr>
<td>General Education Component:</td>
<td>0 hours</td>
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</tbody>
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Prepared By: David M. Beams          Date: 13 Nov 2009