The University of Texas at Tyler
Department of Electrical Engineering

EENG 5370 Graduate Internship

Syllabus

Catalog Description:

An 8- to 16-week program providing for a learning experience in an engineering environment, at the graduate level of study. A written report and presentation is required at the conclusion of the internship period. A maximum of three credit hours may be applied toward the graduate degree. Prerequisite: Consent of the department chair.

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Credits: 3

Text(s): No text required

Additional Material: None required

Course Coordinator: Ron J. Pieper

Topics Covered: (paragraph of topics separated by semicolons)

Topics will depend on the available internship opportunities. The internship will lead to a practical engineering experience in one of the many areas of electrical engineering which include but are not limited to: power systems; motors and generators; communications; electronics; microprocessors; semiconductors; and electro-magnetics..

Evaluation Methods: (only items in dark print apply):

1. Examinations / Quizzes
2. Homework
3. Report
4. Computer Programming
5. Project and presentation
6. Course participation
7. Peer Review

Course Objectives[1]: By the end of this course students will be able to:

1. Organize a technical report which integrates essential components of his/her technical work experience [3]
2. Deliver a presentation to convey the main ideas embodied in the report [5]

[1]*Numbers in brackets refer to method(s) used to evaluate the course objective.*

Relationship to Program Outcomes (only items in dark print apply)[2]: This course supports the following Electrical Engineering Program Outcomes, which state that our students will:

1. Graduates of the program will possess a breadth and depth of knowledge in electrical

and computer engineering:
2. Graduates of the program will possess and demonstrate oral and written communication skills:
3. Graduates of the program will demonstrate the capability to perform independent learning and investigation:

[2]*Numbers in brackets refer to course objective(s) that address the Program Outcome.*

Contribution to Meeting Professional Component: (in semester hours)

Mathematics and Basic Sciences:	0	hours
Engineering Sciences and Design:	3	hours
General Education Component:		hours

Prepared By: Ron Pieper Date: 11-29-09