

Course Title	Special Topics in Electrical Engineering
Course Code	EE5390
No. of Credit Hrs (Lecture + Tutorial + Lab)	3 (3+0+0)
No. of Contact Hrs (Lecture + Tutorial + Lab)	3 (3+0+0)
Level-Year	10 - 5
Prerequisite (if any)	To be determined

1) Course Objectives:

This course will consist of an in-depth study of a current electrical engineering topic. Topic will vary each time the course is offered and will be focused on state-of-the-art concepts that are not addressed in current course selections. The specific contents of the special topics course will be given in detail at least one semester in advance of that in which it is offered.

2) Expected Learning Outcomes:

1. Define the basic concepts and theoretical foundations related to modern electrical engineering topics (Outcomes K3 [7])
2. Analyze the industrial related problems and propose solution for them (Outcomes S1 [1])
3. Use the techniques, skills, and modern engineering tools necessary for engineering practice (Outcomes S4 [6])
4. Formulate, and solve engineering problems (Outcomes S2 [2,7])
5. Design and test the components of advanced electrical engineering system (Outcomes S3 [2,7])
6. Write technical reports on recent trends in electrical engineering (Outcomes S6 [3])

3) Course Contents

To be determined

4) Teaching Methods:

- Lectures and Discussion
- Self-learning
- Tutorial sheets

5) Mode of Evaluation: Course Assessment Methods

- Quizzes and assignments
- Major Exams
- Final Exam

Evaluation

- **Semester Work**
 - Major Exams 30%
 - Quizzes and Homework 10%
 - Assignments 10%
 - Tutorial (Homework, Mini-project, Report, Long essay) 10%
- **Final**
 - Paper work 40%

6) Textbook(s):

To be determined

7) References:

To be determined

