

Electrical Engineering Professional Seminar (55:091)
(Required: All tracks)

Catalog Description:

Professional aspects of electrical engineering presented through lectures and discussions by guest speakers, field trips, films, panel discussions. Repeatable.

Pre(co)requisites:

Junior Standing [P]

Textbook:

None

References:

None

Topics (Class Hours):

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| 1. Co-op and internship opportunities (1) | 4. Global and societal issues in engineering (2) |
| 2. Graduate study and research opportunities (1) | 5. Professional Ethics (1) |
| 3. Career search preparation (2) | 6. Contemporary topics in EE (2) |
| | 7. Additional topics (5*) |

* Topical coverage **must** include at least those listed in items 1-6 above. Instructor has discretion in choosing topics for the remaining five class periods.

Laboratory Projects:

None

Class/Laboratory Schedule:

One 50-minute class meeting per week

Writing Assignments and Oral Presentations:

None

Design Component:

None

Contribution to the Requirements of Criterion 5:

Engineering topics: 0 s.h.

Course Goals: Basis for Assessment and Mapping onto Outcomes

Course Goal	Basis For Goal Assessment	Supports ABET Outcomes
1. Awareness of current developments and career opportunities in electrical and computer engineering.	Instructor evaluation	h(\circ), j(\circ)
2. Awareness of the professional and ethical responsibilities of engineers and common scenarios under which ethical dilemmas may arise in engineering.	Instructor evaluation of in-class exercises	f(\bullet), h(\circ), j(\circ)
3. Awareness of global and societal issues central to the electrical and engineering profession.	Instructor evaluation	h(\bullet), j(\circ)
4. Awareness of how the job search process works and how effective resumes are written.	Instructor evaluation	g(\circ)

\circ denote moderate contribution to the outcome; \bullet denote substantial contribution to the outcome

Performance Criteria:

Instructor completes a Course Outcome Rating (COR) that quantitatively evaluates student performance for each course goal-related outcome using a standard scale (4.0 = outstanding ability; 3.0 = good ability; 2.0 = adequate ability; 1.0 = poor ability; 0.0 = no ability). Instructor chooses appropriate graded course artifacts (homework questions, exam questions, etc) for each outcome rating. COR scores below 2.5 are indicative of problems with meeting course goals/outcomes and COR scores below 2.0 indicate failure to adequately meet course goals/outcomes.

Prepared By:

David Andersen (May, 2005)