

PURDUE

UNIVERSITY

**SCHOOL OF ELECTRICAL
AND COMPUTER ENGINEERING
UNDERGRADUATE COUNSELING OFFICE**

Engineering Faculty Document 86-19
January 30, 2019
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To: The Engineering Faculty
From: School of Electrical and Computer Engineering
Re: ECE 39401

The School of Electrical and Computer Engineering has approved the following new course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

ECE 39401 Professional Communications and Diversity

Lecture: 1 credit

Semesters offered: Fall, Spring

Non-repeatable

Pre-requisites: ECE 29401

Course Description

This course provides ECE students with practice in relevant aspects of communication. Topics include: successfully seeking employment, working effectively in teams, delivering engaging presentations, and leveraging the advantages and challenges of diversity and inclusion.

Reason

This courses is the continuation of the ECE seminar sequence where they will build on their professional and ethical development in and out of the classroom.

History of Previous Offering

This is a new course being inserted between ECE 29401 (previously ECE 20000) and ECE 49401 (previously ECE 40000). This sequence of courses is designed to introduce, develop and master ethical and professional development of our ECE students.



Michael R. Melloch, Associate Department Head of ECE

ECE300

4 sections per semester

Wednesdays 9, 10, 11, 12

50 students/section

WALC 3122 or 2124 (seat 54)

Date (Wednesdays)	Speaker	Due	Other
8.22	Course intro		
8.29	Teamwork/Diversity		Choose teams in class
9.5	SOP/Resume		
9.12	Presentations/Grading	Presentation Topics	
9.19	In-class presentation work	SOP/Resume	
9.26	Interviewing skills		Panel 1: Grad school panel -at nimt
10.3	Mock interviews	Interview questions	Interviews in class
10.10	Groups 1-4		
10.17	Groups 5-8		
10.24	TBA	Activity One write-up	Panel 2: Young industry panel -at nimt
10.31	Groups 9-12		
11.7	Groups 13-16		
11.14	TBA	Activity Two write-up	Panel 3: Challenges and Decisions panel -at nis.tht
11.21	No class -Thanksgiving		
11.28	Course debrief		
12.5	Ragu?		Last class

ECE 300 Assignments

- SOP/Resume - 100
- Activity One- 100
- Activity Two-100
- Presentation - 100
- Attendance - 100

Learning Objectives:

1. An ability to function on multi-disciplinary teams
2. An ability to communicate effectively
3. A recognition of the need for, and an ability to engage in life-long learning
4. A knowledge of contemporary issues

Major Writing Assignments:

- *Assignment One:* Professional Statement (LOs:2, 3): You will create a document highlighting your strengths as you enter the workforce (or graduate school) and discussing how you're working to shore up your weaknesses.
- *Assignment Two:* Group Presentation (LOs: 1,2,4): With your teams, you will create a 10-12 minute presentation for the class on a current engineering issue. You will briefly explain the issue, the different sides or solutions, and where your team stands on the issue (and why). Your presentation must include a visual aid (power point, handout, model, demonstration). You will turn in an outline of the transcript for your presentation, a copy or picture of/link to your visual aid, hard copies of at least two sources that discuss your chosen topic, a team evaluation, and a self-evaluation.
 - Groups of 3/4 – 16 groups
 - 10-12 minute presentation
 - 4 groups for 4 days
- *Assignments Three and Four:* Event Write-ups (LOs: 2, 3,4): You will pair up with someone who is different from you in some way. Each of you will take your partner to an event that showcases your culture/gender/religion/SES/etc., in some way. You'll each write a reflection paper on what you learned, questions you asked your partner, and things you noticed but didn't expect (if you were attending an unfamiliar event) OR how you helped prepare your partner for the event, what barriers your partner had to participation at the event, and what things you noticed for the first time about an event that was familiar to you (if you were the host).