

## **Electrical Engineering Technical Elective Offerings 2009-2010 and 2010-2011**

### **General notes and news**

*This document is meant to serve as a guide. In all cases, the SPU catalog and time schedule supersede information presented here.*

- Students who entered the EE major in 2007-8 or 2008-9 are required to complete either 17, 14 or 12 credits of technical electives depending on the year of the catalog EE major requirements that they plan to fulfill and depending on the math coursework that they completed. Students may only graduate under requirements in effect either the catalog year they were accepted into the EE major, or a more recent catalog year.
  - Students who choose to graduate under the 2007-8 catalog requirements are required to complete 17 credits of technical electives.
  - Students graduating under the 2008-9 catalog EE requirements are required to complete 17 credits of technical electives, unless the student completed MAT 1234, 1235 and 1236, or their 15 credit equivalents, in which case 14 credits of tech electives are required.
  - Students graduating under the 2009-10 catalog EE requirements are required to complete 12 credits of technical electives.
  
- Tech elective offerings in 2011-2012 will be similar to those in 2009-2010.
  - \* EE 4450 is required in catalog year 2007-8 and 2008-9. It is a tech elective only for catalog years 2009-10 and beyond.
  - \*\* EGR 3612 may not be taken by students who have completed EE 4950 when it was taught as a water quality course
  - \*\*\* EGR 3611 may not be taken by students who have completed EGR 3650
  - \*\*\*\* PHY 4315 may not be taken by students who have completed EE 4310
  - \*\*\*\*\* EGR 3310 may not be taken by students who have completed EGR 3391

<b>Course Number</b>	<b>Course Title</b>	<b>2009-10</b>	<b>2010-11</b>
CPE 3350	Operating Systems Programming (3)		Contact CSC
CPE 4350	Advanced Operating Systems(3)		Contact CSC
CPE 4750	Computer Networks(5)		Contact CSC
CPE 4760	Advanced Computer Architecture(5)	Spring	Contact CSC
CSC 4800	Adv Issues in Computer Science(3-5)		Contact CSC
EE 3500	Introduction to Power Systems(5)	Winter	
EE 3510	Intro to Power Electronics(4)	Spring	
EE 4311	Optics and Lasers(5)		Contact PHYS
EE 4450*	Control System Design (5)*	Winter	Winter
EE 4560	Wireless Communication Systems(5)		Winter or Spring
EE 4960	Senior Project(1-5)	Any	Any
EGR 2891	Statics(4)	Fall	Likely Fall
EGR 3310	Mechanics of Materials(4)***** (prereq – EGR 2891)	Winter	Likely Winter
PHY 3401 OR EGR 2500	Thermodynamics(5)/Thermo-fluids (5)	Fall	Spring
EGR 3611	ASE I: Alternative Energies (5)***	Fall	Fall
EGR 3612	ASE II: Water quality (4)**	Winter	Winter
EGR 3800	Biomedical Engineering I(5)	Contact Dr. Plett	Contact Dr. Plett
PHY 3841 OR EGR 3400	Dynamics(5)	Spring	Fall
MAT 3724	Applied Analysis(3)		Contact MATH
PHY 3311	Advanced Physics Lab I(3)	Autumn	Contact PHYS
PHY 3312	Advanced Physics Lab II(3)	Winter	Contact PHYS
PHY 3313	Advanced Physics Lab III 3)	Spring	Contact PHYS
PHY 4315	Electromagenetics II****		Contact PHYS