

## Undergraduate Course, Curriculum and Policy Changes

Changes in courses, curricula, and policies have been approved for undergraduate programs in the Department of Electrical and Computer Engineering, to be effective with the 2008-2010 catalog. The following is an overview of these changes.

Note that students in the College of Engineering may graduate under the catalog in force when they graduate, or under the previous year's catalog. During transitions from one curriculum to another, petitions for course substitutions may be approved. Additional information will be available from the Undergraduate Student Affairs Officer.

### Curriculum Changes

Effective with the 2008-2009 academic year, the following changes will be implemented:

1. EEC 161 (Probabilistic Analysis) will replace STA 120, 131A or ECI 114 as the statistics & probability requirement. EEC 161 will be taught by ECE faculty Fall & Spring Quarters and will include statistics and probability applications from electrical & computer engineering. If you have already taken one of the stats classes prior to Fall 2008, you will not need to take EEC 161 in addition to it.
2. The senior design project requirement has changed. EEC 196AB will no longer be a series. EEC 196 will be taught as a one unit seminar each Fall Quarter, covering the same material that has been taught in EEC 196A. EEC 196B will not be offered after Spring Quarter 2008.
3. The "design elective with project" requirement has changed. The new project requirement may be satisfied by taking a Design Project Course or a Senior Design Project. Each Design Project Course involves a team design project and a related written project report. We expect to offer four Design.

## Project Courses next year:

EEC136AB: Opto-Electronic Communication Design Project (Winter, Spring Quarter, 4 units) Prerequisites: EEC135 or 151 or 152 or 172 (any may be taken concurrently). The content of EEC136AB has been changed relative to the existing version of EEC136.

EEC181: Digital Systems Design Project (Spring Quarter, 4 units)  
Prerequisite: EEC180B and either EEC170 or ECS122A. EEC180B will be offered winter quarter, so that students may take EEC180B and EEC181 in consecutive quarters.

EEC193: "An FMCW RADAR for Range, Doppler, and SAR Measurements"  
This course provides the students an opportunity to work on a hands-on project related to RF/microwave systems by implementing a Frequency Modulated Continuous Wave (FMCW) radar system that can perform range, Doppler, and Synthetic Aperture Radar (SAR) measurements. The project integrates RF/microwave engineering, analog circuit design, and digital signal processing. The participating teams are expected to build working FMCW radar systems and devise measurement plans to demonstrate the capabilities of the systems. Course prerequisites: EEC110A&B, EEC130A&B, EEC132AB (can be taken concurrently) EEC150A, EEC150B or EEC160.

EEC195AB: NATCAR Design Project (Fall, Winter, 5 units) This is an existing project course which has been reconfigured to span 2 quarters rather than 3.