

**Minutes of the Meeting of the
Undergraduate Committee
Electrical and Computer Engineering Department
University of New Mexico
September 24, 2004**

The meeting was called to order at 3:00 P.M. in EECE Room 237 on February 12, 2004. Present were the following: Gregory L. Heileman, Balu Santhanam, Christopher Smith, Howard Pollard, Peter Dorato, Charles Hawkins, Scott Tyo and Roberta M. Menicucci. Absent were Wennie Shu and Diana Huffaker.

The Agenda Items to be discussed are:

1. Discussion of implementation of ECE 321/322/327L changes;
2. Addition of CE 304 as a prerequisite for ECE 445;
3. ECE 101 –
 - A. Addition of ECE 101 to the Computer Engineering Undergrad Curriculum
 - B. Change in course name change to: “Introduction to Electrical & Computer Engineering”
 - C. The course content should be modified to reflect Computer Engineering;
4. Removal of Physics 262 and 262L from Computer Engineering curriculum and replacement with a second course in physical or natural sciences;
5. Removal of Chem 121L from the Computer Engineering curriculum, and replacing it with a physical or natural science course from an approved list;
6. Removal of ECE 213 from the Computer Engineering curriculum (this would require it to be removed as a prerequisite for ECE 314); and
7. Creation of two tracks within the Computer Engineering program. The two tracks would be called “Hardware” and “Software”, and both would feed one capstone design course entitled “Hardware/Software Co-Design.”
8. Discussion followed to clarify the 321, 322 and 327L courses. It was agreed that the following would take place:

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Fall 2004: 321 = 3 hours
322 = 3 hours
327L = 2 hours

Spring 2005: 321 = 3 hours
322 = 3 hours
327L = 2 hours
495a = 1 hour
495b)(321) = 1 hour

Fall 2005: 321L = 4 hours
322L = 4 hours
327L or 495a might still be offered??

Spring 2006: 321L = 4 hours
322L = 4 hours

During advisement period coming up in November, the advisors will have to stress that computer engineering students who are not taking 322 now will have to take 495a lab and will need to meet with Dr. Hawkins to take part of 321 in the 495b section in Spring 2005.

9. Addition of CD 304 as a prerequisite for ECE 445. Advisors on the EE side must be made aware of the prerequisite. A motion was made and voted on to pass.
10. To add ECE 101 to the Computer Engineering curriculum and make a name change, a motion was made and seconded that it was a good idea. Motion passed.
11. Discussion took place to remove Physics 262 and 262L and replace them with a second course in physical or natural sciences. A motion was made and seconded, voted on and passed, pending the Computer Engineering Committee approval.
12. Additional discussion was held on removing Chem 121L from the Computer Engineering curriculum and replacing that with a physical or natural science.

Discussion also took place to remove ECE 213 from the Computer Engineering curriculum. Balu Santhaman spoke on behalf of the SPCOM Area and said they were hesitant to touch 214 since it discussed LaPlace transformers, etc. in the course which were needed in ECE 314. But 314 is also too many hours of work crammed

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into the one course and should be divided up into two semesters' worth of work. It was agreed that the SPCOM will take this up at their next meeting since it may not be needed as a prerequisite for ECE 314.

13. Discussion took place on creating two new tracks for Hardware and Software in the Computer Engineering curriculum. A motion was made and seconded, voted on and passed. Dr. Dorato abstained from voting.

New Business: The Undergraduate Committee would like to recommend that the Chair create a position to hire a lab director to govern and oversee the labs. The motion was made, seconded by Dr. Tyo, voted on and passed.

The meeting adjourned at 4:10 P.M.

Gregory L. Heileman, Chair
Undergraduate Committee
Electrical and Computer
Engineering Department

Agenda Attachment