

**Minutes of the Meeting of the  
Undergraduate Committee  
Department of Electrical & Computer Engineering  
University of New Mexico  
December 8, 2006**

The meeting was called to order at 11:00 A.M. in ECE Room 237 on Monday, December 12, 2006.

Committee members present were Mark Gilmore, Greg Heileman, Diana Huffaker, Marios Pattichis, Balu Santhanam, and Pradeep Sen.

Also attending was Roberta Menicucci

**EE Curriculum**

Balu discussed proposed changes to the ECE curriculum. The committee discussed the following options, and asked committee members to discuss them with their respective groups:

(1) Covert ECE-340 into a 4 credit hour class enabling the instructor to cover material relating to basic statistics and hypothesis testing. Maybe we rename it to Probability and Statistics.

(2) Convert ECE-441 into a technical elective that truly reflects the state of the art in communication systems. Not as an extension of ECE-340.

(3) Convert ECE-314 into a 4 credit hour class, and basic communications theory would be added to this class. I.e., some of the material that was covered in ECE-441

(4) Incorporate convolution material into a revamped ECE-213 so that the stress on the instructor in ECE-314 is reduced and continuity is maintained. It was noted that convolution should be covered in 213, and therefore the issue of making sure that convolution is properly covered in ECE-213 was discussed. Balu will talk with Chaouki, the course coordinator, about this issue.

(5) Eliminate Math-314 from the core in both programs and replace it with a course on "Advanced Engineering Mathematics" that includes vector calculus, complex analysis, matrices and linear algebra. This class would be a co-requisite for 213, and taught by the Math Dept. The suggested textbook is by Ervin Kreyszig.

**Next Meeting**

The next meeting was scheduled for the first week of the Spring at 11 A.M. in Rm. 118 at 11:00AM

The meeting was adjourned at 12:00 P.M.

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Gregory L. Heileman, Chair  
Undergraduate Committee  
Dept. of Electrical & Computer Engineering