

**Minutes of the Meeting of the  
Undergraduate Committee  
Electrical and Computer Engineering Department  
University of New Mexico  
February 6, 2008**

The meeting was called to order at 2.35 P.M. in ECE Room 237 on Wednesday, February 6,, 2008. Present were Gregory L. Heileman, Balu Santhanam, Payman Zarkesh-Ha, Jamesina Simpson, Nasir Ghani, Sudharman Jayaweera, Marios Pattichis, Ravi Jain, Fabricio Ourique, and Roberta M. Menicucci.

A copy of the Agenda is attached hereto.

1. ABET. A discussion of the ABET Exit Surveys and Knowledge Probes continued from the last meeting. It as agreed upon to call Exit Surveys Knowledge Probes from now on to avoid confusion with other exit surveys.

Dr. Heileman has completed his Knowledge Probe (formerly Exit Survey) for ECE 231 and reiterated how important it is that everyone complete theirs in the next week. From now on, an e-mail will be sent at the beginning of each semester to remind everybody to do a Knowledge Probe for the beginning of the semester and an e-mail will go out reminding everybody to do the appropriate Knowledge Probe towards the last week or two of the semester. Knowledge Probes will be done on the following courses: ECE 131, 213, 231, 238L, 314, 344L, 360, 322L, 371, 419L, 420L, 445, 437, 435, 340, 231, and 438. Jamesina Simpson agreed to identify which classes are EE and which are CompE.

2. Dr. Heileman mentioned he would like to see a one page summary of the results of these beginning of semester Knowledge Probes turned in in the next week and put on a website on line. This Undergraduate Committee will review all of these after they are collected. All data from the previous semester has to be turned in too, by the March meeting.
3. Revising the EE Curriculum. Dr. Heileman spoke about the kind of Electrical Engineering curriculum Arizona State University has in place compared to our EE program. ASU's curriculum contains 120 credit hours and has four (4) Area Pathways which lead into a category of Technical Electives in the student's senior year, along with two Senior Design classes. All this takes into account the breadth of an EE degree program. Dr. Santhanam reviewed the EE curriculum from Georgia Tech and found they have 132 credit hours, the same number we have. Since Georgia Tech also has a Computer Engineering degree program, both programs have courses in common which must be taken by both EE and CompE students. Dr. Pattichis reviewed Rice in Houston. Dr. Simpson reviewed Northeastern and Boston

University. Dr. Santhanam agreed to do a table and prepare a report showing the comparisons between these schools and some other peers. It is up to this Committee to decide on the breadth and depth of a new program and present their decision and findings to the full faculty before changes are implemented.

4. Dr. Simpson pointed out that one or two of the schools she reviewed also had special programs for advising minority students. We may want to look into doing that here in the future.

The meeting was adjourned at 3:45 P.M.

The next meeting is March 5, 2008 at 2:30 P.M. in ECE Room 118.

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Gregory L. Heileman, Chair  
Undergraduate Committee  
ECE Department