

ECE CURRICULUM COMMITTEE

TO: Tanguel Basar, Jennifer Bernhard, Dick Blahut, Steve Boppart, Donna Brown, Seth Hutchinson, Wen-Mei Hwu, Doug Jones, Steve Levinson, Daniel Liberzon, Tom Overbye, Mary Parsons, Sanjay Patel, Narayana Rao, Dilip Sarwate, Naresh Shanbhag, Greg Timp, Bruce Wheeler

FROM: Erhan Kudeki

SUBJECT: Curriculum committee meeting minutes

DATE: October 16, 2003

Minutes of the Curriculum Committee October 16, 2003

- 1) Members present:
Tanguel Basar, Donna Brown, Seth Hutchinson, Doug Jones, Steve Levinson, Daniel Liberzon, Tom Overbye, Sanjay Patel, Dilip Sarwate
- 2) The minutes of October 9, 2003 meeting were approved subject to minor corrections of typos.
- 3) Seth Hutchinson reported that a straw poll conducted amongst the CompE faculty is indicating a possible support for modifying the math requirements in CompE to achieve uniformity with the EE program. A decisive CompE Area vote may be expected on this issue next week.
- 4) Debate on EE math requirements was finalized and the following proposal for modifications was approved without dissent:
"EE students are required to complete one of the following sets of courses prior to registering in junior level ECE courses:
Set 1: Math 243 (4hr) and Math 286(4hr).
Set 2: Math 242 (3hr), Math 285 (3hr), and the advanced math applications course ECE271MM being developed by Levinson et al.
With this new requirement the number of Technical Elective hours is being reduced from 15 to 13 while the number of Required Course hours is being increased from 62 to 64. The extra credit hour earned by taking the courses listed in Set 2 will count as a Technical Elective hour."
- 5) The rationale for the approved proposal was described in items (b)-(d) of the minutes of the October 9, 2003 meeting. The proposal itself corresponds (roughly) to what was described as "option (c)" in the same set of minutes. Briefly, the recommended modification will enable the students to be exposed to 1 hr of vector calculus and 1 hr of linear algebra prior to taking junior level courses starting with the required electromagnetics course ECE 229. In addition, students who select to take Set 2 courses will be exposed to an additional hour of material on complex variables. Thus the students will be better prepared for junior and senior courses which rely on advanced math concepts. It is hoped that the CompE Area Committee will also recommend the adoption of the same set of requirements.
- 6) It was noted that students coming in with a large number of AP credits and very strong calculus background may petition to take Math 280, Math 315, and Math 346 instead of the required sequences approved above.
- 7) The next meeting is planned for 3 pm Thursday, October 30, 2003 in 312 EH.