

ECE Curriculum Committee Meeting Minutes for Oct. 10, 2012

Members AY 2011-12: Stephen Levinson (chair), Juliy Baryshnikov, Tanguil Basar, Andreas Cangellaris (ex-officio), Ann Catrina Coleman, Brian Cunningham, John Dallesasse, Alejandro Dominguez-Garcia, Yih-Chun Hu, Seth Hutchinson, Erhan Kudeki (ex-officio), Gang Liu, Steven Lumetta, Jonathan Makela, Sayan Mitra, Michael Oelze, Gabriel Popescu, Maxim Raginsky, Paris Smaragdis, Rayadurgam Srikant, Nitin Vaidya, Daniel Wasserman

Attendees:

Levinson, Kudeki, Makela, Dominguez-Garcia, Basar, Baryshnikov, Lumetta, Hutchinson, Hu, Cunningham, Dallesasse, Raginsky, Mitra, Srikant

The meeting was called to order at 2:05 PM.

Minutes of Sept. 26 were approved with revisions.

The proposed change to ECE342 prerequisites by Elyse Rosenbaum was approved.

The effect of the new CS233 course on ECE412 prerequisites was reviewed. The chair will contact Rakesh (course director of ECE412) and Smaragdis (member of the CS curriculum committee) to confirm their preferences.

The committee reviewed Doug Jones' comments on the roles of various groups of faculty in determining curriculum requirements. He recommends that primary responsibility be assumed by the relevant technical area committees with some interested members of related technical areas playing a role. Ultimately the recommendations should be approved by a general faculty vote.

Andreas made some comments about the pending CompE curriculum revisions. First, we should maintain the distinction between the CS and CompE curricula especially those aspects of CompE that are related to the physical layer of computing. Second we should keep in mind that CompE and EE have different curricular needs. Third, the ECE department has the opportunity to lead other departments by example in addressing the first two comments.

Yichun gave one important example. He thinks there is more of a need for CompE students to take courses in the theory of computation and advanced algorithms than for waves and fields and physical electronics. There was not general agreement on this point.

Steve Lumetta will try to rearrange his schedule so he can meet with the CompE Ad Hoc committee on Wednesdays at 3 PM.

A draft of Andreas' Program Educational Objectives (PEOs) was distributed for discussion at the next CC meeting.

The meeting was adjourned at 2:55 PM.

These minutes drafted by S. E. Levinson, Oct. 16, 2012, revised Oct.18, 2012.