Agenda

I. Introductions

II. School of Engineering items
   • Approve new course - ENGR 3193 “Foreign Study”. Either semester. Credits and
     hours by arrangement, up to a maximum of six credits. With change of topic, may
     be repeated for credit. May count toward major with consent of advisor and
     approved plan of study.
     Special engineering topics taken in a foreign study program.

   • Approve PHYS 1230 (3-credits) or PHYS 1530 (4-credit) as a course to convert
     algebra based physics to fulfill PHYS 1501 & 1502.

   • Approve changes - Page 44
     MATH 1131Q and 1132Q (or MATH 1125Q, 1126Q, and 1132Q), ENGR 1000 and
     CSE 1100 or CSE 1010, and PHIL 1104

III. Departmental items (see attached)
   • Chemical Engineering
   • Electrical and Computer Engineering
   • Materials Science and Engineering

IV. E-Votes are possible before October 30, 2009

V. Old/New items.

VI. Adjourn
Curricula & Courses Committee

Chemical Engineering Program Approvals

Change all catalog entries to read "pre-requisite or by permission of the program director" in places where we currently have "recommended preparation."

ECE Curricula and Courses Committee

The following changes were approved by the ECE Curricula and Courses Committee on October 1, 2009 and by the ECE department by email vote on October 8, 2009.

1. Following new course was approved.

   ECE3243 Introduction to Nanotechnology. 3 credits. Lecture
   Basic concepts of nanoscience; new physical properties at these scales (~1-100 nm);
   different approaches to fabricate, image, characterize and manipulate nanostructures and
   nanodevices; current and potential applications in areas as diverse as electronics, health
   and energy; societal impacts of nanotechnology.

2. Change to nanotechnology minor curriculum to add new course - Tabled for future
discussion at the next C & C Committee meeting. Please see Nov 6_2009 minutes for
details.

3. Remove ECE1101 from EE curriculum

   Since CSE1010 has started using Matlab as its programming language, part of
   ECE1101 (101) is no longer necessary. Therefore, we will remove ECE1101 from the
   EE curriculum and merge the remaining material, PSpice and Labview, into the ECE
   section of ENGR1166. ECE1101 will still remain in the CMPE curriculum as a
   shortened version of ENGR1166.

MSE Undergraduate Committee Items For Approval

The following proposed changes were approved unanimously by the attendees of the M SE faculty meeting on September 28:

1. Course name change for MSE 3029 from “Physical Ceramics” to “Ceramic Materials”

   Current course name does not reflect the content of the course which includes physical
   properties, as well as chemical and mechanical properties and processing of ceramic
   materials. See course description below:

   MSE 3029. Ceramic Materials
Curricula & Courses Committee          School of Engineering
October 8, 2009

(229) Semester and hours by arrangement. Three credits. Prerequisite: MSE 2002 and PHYS 1502.

Microstructure of crystalline ceramics and glasses and role of thermodynamics and kinetics on its establishment. Effect of process variables on microstructure and ultimately on mechanical, chemical and physical properties.

2. Concerning Minor program:
   a. Creation of new Nanomaterials Minor (16 credits).
   b. Courses other than MSE 2001 (or 2101), MSE 2002, and MSE 2053 cannot be simultaneously used towards the MSE Minor and the MSE Nanomaterials Minor.

NOTE: Tabled for future discussion. Please see Nov 6, 2009 C&C Committee minutes.