

Mechanical & Materials Engineering Curriculum Committee

Fall 2003

FLORIDA INTERNATIONAL UNIVERSITY
DEPARTMENT OF MECHANICAL & MATERIALS ENGINEERING
MIAMI, FLORIDA

COMMITTEE MEMBERS: CESAR LEVY, CARMEN SCHENCK, YONG
TAO, KUANG-HSI WU, MARC ZAMPINO, GEORGE DULIKRAVICH,
SABRI TOSUNOGLU

MME Curriculum Committee Meeting

September 16, 2003

Agenda - Fall 2003

These are the agenda items submitted by committee members:

Election of committee chair

PhD program credit requirement for students who join the department with MS degrees

Number of transfer credits towards PhD program for students who join the department without MS degrees but have taken graduate courses elsewhere towards MS

New course and course change proposals likely to include a statement on how the course addresses program objectives and outcomes (new requirement to be announced by the College Curriculum Committee)

New course proposal by Wonbong Choi: EMA 5xxx Nanoelectronic Materials

New course proposal by Dennis Fan: EML 5xxx Applications of Lasers and Optics in Modern Engineering

New course proposal by Dennis Fan: EML 6xxx Microscale Transport Phenomena

New course proposal System Dynamics by Cesar Levy (not yet submitted)

Minor in Mechanical Engineering Proposal (not yet submitted)

Prerequisite Changes: EML 4906L ME Lab, EML 3301L Instrumentation Lab, EML 4551 Design Organization (not yet submitted)

Restructuring of senior design project sequence to a 2/2 credit arrangement

Making all lab courses require the primary three-credit course as a prerequisite – submission of course change requests necessary

Use of Special Projects (should be limited or a new course added in the curriculum since majority of our undergrads take the special projects course)

Ethics content across the curriculum

Formation of MME Student Committee: Proposed student members: Rosalee Martinez, Richard Castillo, Marisa Henry

Industrial Advisory Board Meeting: Review of reps, new members, develop agenda, set a date, call meeting

Review and revision of course objective forms; include a new column “not applicable;” review of course content to meet objectives and outcomes; evaluate student response periodically and document actions taken

Consistency in senior design projects: Final technical report, PowerPoint presentation; announcement of final presentation one week before the actual presentation; recording of final presentation on CD by FEEDS

Drafting and solid modeling course: Options might include (1) inclusion of drafting into Intro to Engineering, (2) or revision of Software for Mechanical Design course content; (3) or inclusion of another course on software and redefinition of Intro to Engineering and Software course contents (best option if a new course can be introduced)

Track graduating undergrads and grad students: Jobs, e-mail, address, phone. Make staff responsible to develop and maintain database for this purpose

Review employer and alumni surveys; update surveys if necessary; identify responsible party to collect and tabulate info; identify interval to review responses; and take appropriate actions and document – Closing the loop, i.e., making use of the collected info is what ABET is looking for in these surveys