

**The University of Michigan
College of Engineering
Curriculum Committee**

Agenda

September 28, 2004

1:30-3:30 p.m.

GM Room

Fourth Floor Lurie Engineering Center

**Please be sure to bring the Academic Rules Working Group
Information – Passed out at the September 14 Meeting**

1. Approval of Minutes from September 14, 2004 Meeting
2. Discussion of C-/D Rule and 30/36 Credit Hour Rule
3. Discussion on P/F Policy Regarding Joint LSA/ENGR Degree
4. SGUS BME and Pharmaceutical

**University of Michigan
College of Engineering
Curriculum Committee Meeting
Tuesday September 14, 2004
1:30-3:30 p.m.
Lurie Engineering Center GM Room
Minutes**

Jeff Fessler called the meeting to order at 1:40 p.m.

Members Present: J.Fessler, W. Hansen, S. Holleran, J. Holloway, G. Hulbert, S. Montgomery, S. Pang, M. Parsons, J. Patel, H. Peng, R. Robertson, P. Samson, S. Takayama, L. Thompson

Members Absent: C.Cesnik (AERO), G. Herrin (ENGR,IOE)

Guests: Henia Kamil, Jack Hu

Motion to approve the minutes of the last meeting

The minutes of the last meeting were approved

ME In Global Automotive and Manufacturing Engr, Jack Hu and Hui Peng

Jack Hu and Hui Peng presented a proposal for the Master of Engineering in Global Automotive and Manufacturing Engineering degree program, a new professional graduate degree program to be awarded by the College of Engineering. This proposal was included in the meeting packet.

General Motors prefers working with only one University (The University of Michigan) in delivering this degree globally.

The target launch date for this is January, 2005, with the first wave of new students in September, 2005. They are expecting 200 students.

The main goal of this degree is: *To prepare engineers with knowledge and capability in both product development and manufacturing processes, and the ability to adjust to the fast-changing climate of the automotive industry. This goal is achieved through developing strengths in their engineering discipline, to have breath in relevant engineering and science, and to understand the complete product development and manufacturing process, including management and financial factors.*

Admission requirements:

The admission requirements will be similar to other M.Eng. programs in the College of Engineering.

4-year Bachelor's degree in Engineering or Physical Sciences

Two years of working experience

Two letters of recommendation

Program requirements

The degree requires 30 credit hours of course work (at least 21 at UM-equivalent 500 level or above

At least 27 credit hours must be letter graded (not pass/fail)

At least 6 letter-credit hours must be UM courses at 500-level or above (not including the AUTO/PIM 501 and 503 courses).

A minimum grade point average of 5.0/9.0 (i.e. a “B” average).

For distance learning students, no more than 12 credit hours can be transferred from selected schools.

This proposal was presented to the Auto Council and the Manufacturing Council in a joint meeting in April and was received very well.

Jeff Fessler asked for a motion to approve this proposal. Moved and seconded. **Motion Carried (approved)** (10 approved, 2 abstained) Passed with the condition that a small modification is made.

This proposal will go to the next Faculty Meeting

SUGS BME and Pharmaceutical Engineering

Henia Kamil requested that the Committee approve the SGUS with BME and Pharmaceutical. She stated a precedent from the last meeting which approved the same case load.

There was a concern that this is based on the new BME program which is not yet approved.

Jeff Fessler proposed to table this proposal based on the idea that if a proposal is re-submitted based on the existing BME curriculum, it would make sense to have an SGUS with Biomedical Engineering and Pharmaceutical Engineering.

Changes to the EE Degree Program Jeff Fessler

A sheet regarding this was in the meeting packet.

Jeff Fessler talked about some very small changes to the EE Program.

The first item is for information only: EEC S 413 has been added to the list of permitted MDE courses. This affects only a footnote in the Bulletin.

The second is to reduce the number of EE upper level electives from 8 credits to 7 credits, and to increase the number of flexible technical elective credits by one.

Jeff Fessler asked for a motion to approve this proposal. Moved and seconded. **Motion Carried (approved)**

Course Approvals

Jeff Fessler noted that in subsequent meetings there will be a sub-committee which will rotate with all the members in alphabetical order and review the course approval forms a week before each next meeting.

These Courses Were Approved

AOSS 280 New Course

AOSS 410(X-Listed with Geo Sci 409 Modification – Added Geo Sci 409 as x-listed course

CHEM E 330 Modification – Changed Description

CHEM E 342 Modification – Changed Description; Changed Prerequisite from: ChE 230, ChE 341, ME 230 and Math 216 *to: ChE 230, ChE 341 and Math 216 (enforced)*

CHEM E 343 Modification – Changed Description

CHEM E 466 Modification – Changed Description

CHEM E 487 Modification – Changed Description; Changed Prerequisites from: ChE 360, MSE 250 or MSE 220, preceded or accompanied by ChE 344
to: ChE 360 and ChE 344 and MSE 220 or MSE 250, or Graduate Standing

CHEM E 517(X-Listed with MFG 517) Modification – Changed Title; Changed Prerequisites from: ChE 344, Biochem 311 or equivalent; permission of instructor *to: ChE 344 and Biochem 415 or equivalent; permission of instructor*

CHEM E 580(X-Listed with ENGR 580 Modification – Changed Prerequisites from: Graduate +
Standing *to: Doctoral Candidate (enforced)*

ME 230 Deletion

ME 330 Deletion

NAVARCH 276 Deletion

NAVARCH 277 Deletion

NAVARCH 330 Deletion

NAVARCH 430 Deletion

NAVARCH 460(X-Listed with MFG 460) Deletion

Motion Carried (approved)

Information on Academic Rules Working Group

Information was passed out regarding a packet with some decisions from the Academic Rules Working Group.

Jeanne Murabito stated that at the end of last year, Gary Herrin gave a summary to this Committee and this is in the Curriculum Committee minutes of April 20, 2004.

Jeff Fessler asked the Committee to look this over, especially the C-/D Rule and the 30/36 Hour Rule and plan on this being a future discussion item.

Adjournment: Motion to adjourn was made and seconded
Motion carried (approved)

Next Meeting

Tuesday, September 28, 2004

1:30-**3:30** p.m.

GM Room – Fourth Floor LEC