

**University of Michigan  
College of Engineering  
Curriculum Committee Meeting  
Tuesday, October 1, 2002  
1:30-3:00 p.m.  
Lurie Engineering Center GM Room  
Minutes**

Armin Troesch called the meeting to order at 1:40 p.m.

Members Present: A. Troesch, E. Chan, J. Fessler, P. Friedmann, W. Hansen, G. Herrin, J. Holloway, G. Hulbert, S. Montgomery, B. Noble, S. Pang, H. Peng, R. Robertson, P. Samson, S. Takayama

Members Absent: B. Martin (IOE)

Guest: Henia Kamil

Armin Troesch welcomed Brian Noble (EECS—Computer Science & Engineering)

Addition to Minutes of 9-17-02

**The minutes of the last meeting were approved.**

Armin Troesch noted that at the September 17 meeting it was decided to add the word ‘otherwise’ to the beginning sentence third item under **Definitions and Exceptions** College of Engineering Humanities and Social Sciences document, and to the minutes from that meeting.

The paragraph will read: **Otherwise**, courses that are designated as “BS”, “CE”, “MSA”, “QR”, “experiential”, “directed reading or independent study”, or course titles that include the terms or partial phrases “composition”, “math”, “outreach”, “performance”, “physics”, “practicum”, “statistics”, studio”, “tutor” may not be used to satisfy this requirement.

**Will Hansen Presentation on CEE Concentrations—Revisited**

Will Hansen passed out a paper noting concerns within the BSE CEE Degree Program:

**Concentrations within the BSE CEE Degree Program**

The student has the option to select from one of six concentrations offered in the undergraduate program. The concentration will appear on the student’s transcript. The typical BSE degree requires the student to select 9 hours of Technical Electives consisting of two technical electives from the list (p.114). The remaining Technical Elective must be taken from the above list outside of the chosen *focus* area. A **Concentration** requires selecting one additional course in this sequence with a total of 12 credit hours in the Technical Concentrations list. The additional course reduces the requirements for Unrestricted Electives from 12 hours for the typical BSE degree to 9 hours if a **Concentration** is selected, thereby maintaining a total of 128 credit hours required for the BSE degree.

Peretz Friedmann asked if this was giving students too much freedom. “Focus” is required – “Concentration” optional.

It was decided to not vote on this at this time, and Will Hansen was asked to go back to the CEE Department with this for revision.

### **SGUS Discussion with Stella Pang**

Stella Pang passed out information on the Sequential Graduate Undergraduate Study Program. Stella noted that this information was presented to the CoE CC in 2000. This also was presented to the graduate chairs in May of this year. Nothing has changed in this proposal, she just wanted to clarify this. Unlike the old program, dual enrollment (undergrad and grad program) is not needed. Students need to be admitted to Rackham and pay the Rackham fee. The student applies during the last year of their undergrad study.

Stella would like the double counted courses to be on the student’s transcript. Jeanne Murabito said that would be unlikely, since only one other school does that.

Discussion: Sequential VS Simultaneous – Stella said that sequential is a better description. Since many courses are for 4 credit hours, not 3, should the maximum undergrad hours be changed from 6 to 8? This is hindering the student’s progress in the SGUS Program.

Rackham is open to a proposal from the CoE Curriculum Committee and Stella will present a proposal to Rackham.

Jeanne Murabito said this could come to the CoE CC but the advisors should be the ones to make the proposal.

Armin Troesch said that at least eight students have had to get waivers from 6 to 8 credit hours. This could be worded as : 8 credit hours or two classes.

### **Additional Discussion Items**

Levi Thompson has asked the CoE CC to become more pro-active with ABET assessment than in the past. He gave a handout and asked for comments to be entered in the minutes of the meeting.

#### **1. Discussion on Role of Math & Science Liaison**

- **Should CoE support liaisons?**

It would be good to hear from people who were liaisons in the past. The consensus was that the College of Engineering will recommend one or two liaisons after hearing opinions from Phil Savage and Nik Katapodes.

#### **2. Discussion of Increased Communication Between the Two Colleges**

- **Value to CoE and LS&A?**

The question was asked whether the College of Engineering receives LS&A CC minutes and vice versa? No, but this is a good first step. It was asked if there would be interest in the CoE CC if the LS&A minutes were available. It was suggested that Judy could post them on Work Tools or on the CoE CC Website.

#### **3. Department Level ABET Compliance Report**

- **How are term end course reports treated?**  
 AOSS – No ABET program – efficient but informal assessment.  
 BIO MED E – Questionnaire , and faculty gets together for yearly review.  
 CEE –Recently created an assessment committee.  
 CHEM E – Yearly and reviewed – gets assessments and undergrad committee reviews.  
 CS (of EECS) – Forms are filled out by faculty members  
 EE (of EECS) – Forms are filled out by faculty members  
 IOE – Faculty peer inventory process. Sit in on classes and do assessment twice yearly.  
 INTER PRO – not ABET / not academic department  
 ME – Course leader and yearly report  
 MSE – Faculty Committee  
 NAVAL – Yearly  
 NERS – Assessment is continuous.

#### **4. Assessment of Math & Science Courses Consistent With CoE Implementation of ABET**

- **Is this necessary?**  
 Yes
- **Who should do the assessment?**  
 The liaison should do the assessment and report back to the CoE CC.  
 This will be a discussion item at the Joint CC meeting with LS&A.

#### **5. How has ABET driven curriculum changes in your departments?**

- **Has the ABET Process Made a Difference?**  
 Some yes, some no. On the positive side: Consistency of courses has improved, ownership of courses, more conversations on teaching.

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

#### **Next Meeting**

Tuesday, October 22, 2002 – Joint Curriculum Committee Engineering and LS&A – 3-5 p.m.  
 Kuenzel Room, 1<sup>st</sup> Floor Michigan Union.

Tuesday, November 5, 2002  
 1:30-3:30 p.m.  
 GM Room-LEC