To the Faculty Legislature, Santa Barbara Division:

The following summarizes the business of the College of Engineering Faculty Executive Committee (FEC) for 2006-07.

**Summary of Actions:**

**Program Reviews and Proposals**

1. **Computer Science B.A. proposal** – The committee reviewed a proposal from the Computer Science Department to add an additional emphasis to the bachelor of arts program, in the area of Economics. The proposal, supported by the Economics Department, was approved by the College of Engineering and Letters and Science FECs, and ultimately by the Undergraduate Council.

2. **College of Creative Studies – Computer Engineering and Electrical Engineering degrees**
   A proposal was reviewed and approved for the creation of new programs between the College of Creative Studies and the Department of Electrical and Computer Engineering, for undergraduate degrees in electrical engineering and computer engineering, which will be administered by the College of Creative Studies; the degree programs will be modeled after the existing Creative Studies-Physics program.

**Research Center**

1. The proposal to establish the **Center for Multi-Functional Materials and Structures**, under the new "center" guidelines was approved.

**Curriculum Changes and Updates**

1. **Electrical Engineering curriculum**
   As a follow-up to the course change for the EE major last year, namely, the elimination of the CS 40 course requirement, the ECE Department submitted clarification on which courses can be used to fulfill this requirement.

2. **College of Engineering Technology Entrepreneurship Certificate**
   A proposal was approved to change the requirements for the College’s Technology Entrepreneurship Certificate, expanding the list of courses that can be used to complete the certificate.

3. **Program Unit Requirement Changes**
   Service course change – the Chemistry Department increased the unit value of some of their lower division courses, which resulted in changes to program requirement changes for four of our majors, with the net result: chemical engineering – increased total units required from 191 to 194; computer engineering – increased total units required from 184 to 186; electrical engineering – increased total units from 191 to 193; and mechanical engineering – increased total units from 183 to 185.

4. **Electrical Engineering curriculum**
   Changes in course unit levels and course requirements were approved, pending Undergraduate Council approval. The changes are planned for the 08-09 academic year.
Review of Policies and Proposals

1. **College of Engineering Undergraduate admissions criteria**
   Reviewed current policy in relation to our retention rate for students.

2. **Science Math Initiative proposal**
   Proposal which would attract more engineering and science students to careers in education. Committee supported the proposed initiative.

3. **Intellectual Property**
   Discussed issues related to faculty consulting policies.

4. **Role of Graduate Students in University Instruction**
   Proposed policy addresses changes to provide consistency across the UC system for the role of graduate students who teach courses. Committee supported the proposed policy.

5. **Conversion ratio**
   Discussed and proposed regulation changes to address UCSB’s low conversion rate and related funding issues. Committee supported the proposed regulation.

6. **Regulation 150 (Study List Regulations)**
   This regulation was reviewed in light of conversion ratio discussions, to address College minimum progress standards.

7. **Regents’ proposal to restrict tobacco industry funding (RE-89)**
   Proposal to restrict research funding from tobacco industry sources was reviewed. The committee recommended against supporting this proposal.

8. **Open Access Policy proposal**
   Proposal which would require open access of journal articles and conference proceedings for all faculty was examined. The committee recommended against supporting this proposal.

9. **Revised Student Freedom of Inquiry Principles**
   Proposal defines student intellectual property rights. Committee supported the proposed revisions.

**Committee members:**

- Elliott Brown  Electrical and Computer Engineering
- Francesco Bullo  Mechanical Engineering
- David Clarke  Materials
- Frank Doyle (Chair)  Chemical Engineering
- Amr El Abbadi  Computer Science
- Samir Mitragotri  Chemical Engineering
- Elliott Brown  Electrical and Computer Engineering
- Shuji Nakamura  Materials
- Jianwen Su  Computer Science
- Matthew Tirrell  Dean (Ex Officio)
- Kim Turner  Mechanical Engineering
- Rene Giraudo  Undergraduate Student Representative
- Kari Lukes  Graduate Student Representative