To the Faculty Legislature, Santa Barbara Division:

The following summarizes the business of the College of Engineering Faculty Executive Committee (FEC) for 2007-08.

Summary of Actions:

Program Reviews and Proposals

1. **Computer Science B.A. proposal** – A proposal for a new emphasis in Computational Mathematics with the Computer Science bachelor of arts program was endorsed. The proposal did not receive support from the College of Letters & Science’s Executive Committee, thus was not approved by the Undergraduate Council.

2. **B.S. Chemistry / M.S. Materials proposal** – The creation of a new 5-year program, BS Chemistry /MS Materials, was reviewed and approved.

3. **Distinction in the Major** – A proposal to establish a Distinction in the major program in Computer Science was reviewed and endorsed; it was forwarded to the Undergraduate Council for final approval.

4. **Program Review** – The committee reviewed and commented on the findings of the Chemical Engineering Department’s PRP.

Research Centers

1. **Institute for Energy Efficiency** – A proposal to establish an Institute for Energy Efficiency was enthusiastically supported and approved, and submitted to the Senate for final approval.

2. **Center for Collaborative Engineering Research and Education** – A proposal to create the Center for Collaborative Engineering Research and Education, a collaboration between the Materials Department and Cal Poly, San Luis Obispo’s undergraduate engineering program, was approved and submitted to the Senate for final approval.

Review of Policies and Proposals

1. **Ex Officio Status for Associate Dean for Undergraduate Studies**
   The committee updated its bylaws regarding Ex officio (non voting) status for the Associate Dean for Undergraduate Studies.

2. **College of Engineering Undergraduate admissions criteria**
   Proposed changes to the Admissions process used for freshman applicants to the College were unanimously approved.

3. **BOARS Freshman Admission proposal**
   The Board of Admissions and Relations with Schools (BOARS) Proposal to reform UC Freshman eligibility policy was reviewed, and the committee’s concerns about this proposal were submitted. There was similar concern with the Revised BOARS Proposal.

4. **Role of Graduate Students in University Instruction**
   A revised proposal on the Role of Graduate Students in University Instruction was discussed and the committee’s concerns were submitted to the Senate.
5. **Online Instruction proposal**  
The Remote/Online Instruction proposal was discussed, including the prior and current remote instruction for courses in the College, and necessary infrastructure to support these types of courses in the future.

6. **International Education**  
The Report on International Education was reviewed. The committee supports international educational programs, while being mindful of budgetary restrictions.

7. **Instructional Workload policy**  
Draft Guidelines for Instructional Workload policy were reviewed. There was noted concern about the omission of course development as one of the items to be included in faculty workload.

8. **Regulation 205 (General Education Requirements)**  
The wording of Reg. 205—General Education requirements, was updated to reflect current practice for the College of Engineering.

9. **UC Cyberinfrastructure**  
A proposal for Creating a UC Cyberinfrastructure was discussed and concerns were forwarded to the Chair of the Academic Senate.

10. **Course Unit Valuation**  
Draft guidelines for unit increases to courses, developed by the Undergraduate Council in conjunction with representatives from the College of Letters & Science, were discussed. Concern was expressed over previous unit increases to courses for which the College of Engineering FEC nor Departments were consulted. The committee felt that language included in the draft, namely, asking departments to consider the impact on “students in other majors who might be required to take the course,” and to consult with affected departments, addresses this concern.

**Committee members:**

- Sanjoy Banerjee  
  Chemical Engineering
- Gui Bazan  
  Materials
- Glenn Beltz  
  Associate Dean for Undergraduate Studies (Ex Officio)
- Forrest Brewer  
  Electrical and Computer Engineering
- Francesco Bullo  
  Mechanical Engineering
- **David Clarke (Chair)**  
  Materials
- Carl Meinhart  
  Mechanical Engineering
- Samir Mitragotri  
  Chemical Engineering
- Louise Moser  
  Electrical and Computer Engineering
- Jianwen Su  
  Computer Science
- Matthew Tirrell  
  Dean (Ex Officio)
- Giovanni Vigna  
  Computer Science
- Melissa Caputo  
  Undergraduate Student Representative
- Kurtis Hollar  
  Graduate Student Representative