

**MINUTES**  
**EXECUTIVE COMMITTEE**  
**Bourns College of Engineering**  
**April 3, 2007 11:30 A.M.**  
**A171 Bourns Hall**

**Attending:** Teodor Przymusinski, Chair  
David Cocker  
Yingbo Hua  
Stefano Lonardi  
Tom Stahovich  
Ertem Tuncel  
Charles Wyman  
  
Dean Reza Abbaschian, *ex officio*  
Associate Dean Mark Matsumoto, *ex officio*  
Associate Dean Chinya Ravishankar, *ex officio*

**Guests:** Victor Rodgers, Bioengineering Department

**Absent:** Christopher Salam  
Rod Smith

**Approval of the Minutes**

The minutes for the meeting of March 12, 2007 were approved by acclamation.

**Announcements**

**A. Dean**

**Reza Abbaschian**

--The proposed program in Materials Science and Engineering was approved by the Committee on Educational Policy. The proposal has been placed on the May 22<sup>nd</sup> Academic Senate meeting agenda. The Dean asked that a Chair send a note to the faculty to attend the meeting.

**B. Associate Deans**

**Mark Matsumoto**

--The college is still in the graduate student recruitment period. 40 students have submitted their statement of intent to register. The target is 120 graduate students. The deadline for students to submit their intent to register is April 15<sup>th</sup>.

**Chinya Ravishankar**

--Currently the College has received 45 accepts for Fall 2007. The number of admits are roughly the same as last year.

In the past, faculty would contact students from a referral pool. The College intends to do this via email. Ravi is working with the departments to designate one faculty member (either the Chair or the Undergraduate Advisor) from each department that will contact these students via email from the referral pool.

The Brochures shared at the last Executive Committee meeting geared towards transfer students have been distributed to in the science courses at RCC. The distribution of these brochures might not make a significant difference in the increase of transfer student numbers this year, but perhaps an increase will be noticed next year.

--The colleges will be getting together to discuss breadth requirements, and the 4-5 unit conversion issue). The executive committee discussed the possibility of CNAS and COE executive committees' meeting to determine if there are any common issues between the two colleges regarding the conversion factor, as well as other matters. The Chair will contact the Chair of the CNAS Executive Committee to determine if there is an interest in meeting.

## C. Chair

**Teodor Pryzmusinski**

--No Announcements

### Action Items

#### **1. Transfer Admissions Guarantee (TAG) Criteria**

--The Transfer Admissions Guarantee is a signed agreement for students who are on track to meet all UC eligibility requirements and college-specific selection criteria. These agreements will guarantee admission into UCR in the engineering major of their choice provided they complete the terms of agreement and apply for admission during the open filing period for the quarter indicated on the TAG form.

Most colleges have some sort of agreement like this already in place. COE felt it was important that this be implemented in the college. In order for outreach to put this agreement into effect with the junior and community colleges, the TAG proposal needs to be reviewed and approved by the Executive Committee. The Executive Committee unanimously approved to implement the TAG agreement.

#### **2. Proposed Change to Chemical Engineering Major**

--The Chemical and Environmental department are proposing to add a fourth option in Nanotechnology in addition to the already existing options in Biochemical Engineering, Chemical Engineering, and Bioengineering. This new option in Nanotechnology will comply with ABET requirements for accreditation of the chemical engineering program. It fits nicely with the focus of Nanotechnology in the department and the major investment in this area by the campus. This option optimizes the use of already existing courses, and newly approved courses for the Material Science and Engineering major.

It was questioned what the current distribution of students is among the three existing options. It was mentioned that approximately 50% of Chemical Engineering majors choose the Chemical Engineering option, 45% choose the Biochemistry option, and 5% choose Bioengineering. It is expected that ¼ of the current Chemical Engineering students would select the Nanotechnology option once it is established.

The Executive Committee unanimously approved the proposed changes. The proposal will be forwarded to the Committee on Educational Policy for review.

#### **3. Proposed Changes to Chemical and Environmental Engineering Program Educational Objectives**

--On January 29th, the Executive Committee reviewed and approved proposed changes to the program educational objectives (PEO) submitted by the department of Chemical and Environmental Engineering contingent upon some grammatical changes being made. When the department learned of these grammatical changes, they expressed concern. These changes were made based on the recommendation of ABET. The PEO's follow the grammatical style typical of other ABET accredited universities. The department feels that the grammatical change will weaken the PEO's. The changes suggest that the program will provide students the ability to complete a list of objectives upon graduation. The department would like to emphasize that the PEO's will not produce graduates that will have an ability to demonstrate the objectives, but will produce graduates that will demonstrate the objectives from the program in their careers and professional pursuits.

Although the Executive Committee was still concerned that the proposed changes were grammatically incorrect, the committee unanimously approved the proposal as it was originally submitted. The proposed PEO changes to the Chemical and Environmental Engineering programs will be forwarded to the Committee on Educational Policy for review.

#### **4. Courses**

The following courses were approved and forwarded to the Committee on Courses for review:

BIEN 197  
CHE 105  
CHE 131  
CHE 161  
CS 010  
ENVE 144

The following courses have been returned to the originating department for more information:

CS 030- Why is it possible with consent of instructor for a student that has received credit for CS 010 take CS 030? This course is similar to ME 001C (1 unit course) and ME 018 (2 unit course). The same book is used for these courses as CS 030. Based on the proposal, there is more work in the two ME courses for a combined total 3 units then there is for the proposed CS 030 course which is a total of 4 units.

EE 138 & EE 156- It was suggested the two instructors who will be teaching these courses attend the next Executive Committee meeting to clarify and address questions.

It was suggested by the Executive Committee that in the future, if the department representative is unable to provide adequate information regarding a proposed course to be reviewed, someone knowledgeable or familiar with the course from department attend the meeting to present the course to the committee.

The meeting was adjourned at 1:00 p.m.