



SAN DIEGO STATE
UNIVERSITY

COLLEGE OF ENGINEERING

EXECUTIVE COMMITTEE MEETING

Minutes

Wednesday, February 6, 2013, 3:30pm
Dean's Conference Room

Present: Dean D. Hayhurst; Drs. M. Mehrabadi, N. Nosseir, L. Tummala, B. Westermo;
Mr. D. Irwin, Mr. L. Hinkle, and Ms. K. Young

Absent: Dr. K. Walsh

Guest: Dr. T. Garoma

Call to Order: The meeting called to order at 3:31 pm.

- Approval of Minutes:** Minutes of the January 16, 2013 meeting were tentatively approved pending additions and corrections to be made and resent to Executive Committee members following the meeting for their review and final approval.
- FTES Report:** D. Irwin produced Enrollment Summary Report. Overall enrollment for the Spring semester has exceeded the College target by 100 FTES. It was noted that two-thirds of the College's classes are less than 30 students.
- MOOCs Update:** Dr. Westermo provided specific information about MOOC's (Massive Open Online Courses). He spoke to a representative at San Jose State University about the first circuit of MOOCs. MOOCs are very high-quality product video presentations of course material combined with tutorial sessions, which are given on the SJSU campus. Dr. Westermo stated that the tutorial sessions are one hour per week, and that these sessions provide the students with an opportunity to ask questions, do problem-solving, and take tests. There are approximately 300 students in the current MOOC at SJSU and there are 10 tutorial sessions. The stand-alone video presentation was not sufficient for students, but the addition of the tutorial session has been transformative. SJSU also noted that there was a much higher passing rate for students. Dr. Tummala stated that passing rates are not an indication of what the student is learning. He also stated that MOOCs should be offered at 400-level courses after the fundamentals in the lower-level courses have been established. Dean Hayhurst stated that it is an individual decision, there may be a benefit to using MOOCs in workload reduction, and that the College should experiment with it. Dr. Westermo to provide more information on the cost associated with using the courses. A MOOCs seminar will be held on February 28, 2013 and Chairs are encouraged to have one faculty member from each department attend.

4. **EXPLORE SDSU:** Scheduled for Saturday, March 23, 2013 from 9am to 2pm. Mr. Hinkle asked Chairs to reach out to faculty to support the efforts of the event by signing up for designating areas during the tour. Dr. Mehrabadi recommended that Chairs have a current student present for the tours, as it is helpful to prospective students to learn from their experiences in the College and at the University.

5. **Banquet/Ring Ceremony:** The End of the Year Banquet and Ring Ceremony is scheduled for Friday, April 26, 2013 at 5:30pm or 6pm. Finalized details to come as the event approaches.

6. **Merit Scholar Initiative:** Mr. Hinkle reported that four local merit scholar students (2 Mechanical Engineering, 1 Electrical Engineering, and 1 Environmental Engineering) are all being admitted into the Honors College. There is a student in Carlsbad with a 4.5 GPA and 1500 SAT score that will be visiting campus. The financial aid packages are limited at SDSU. These exceptional local merit scholar students will be making their decisions soon on which school they want to attend and time is of the essence to make SDSU a viable option. Dean Hayhurst stated that the Don Wilson Endowment might be used to entice merit scholars.

7. **Probation/DO Listing:** Mr. Hinkle reported that all Chairs have received a copy of the probationary and disqualified students list for their respective departments. Mr. Hinkle urged Chairs to have Department advisors contact students on the lists to inquire about how many classes they are taking, as well as how many hours they are working. The collection of this data will be used to try to help the students by creating a plan to help them succeed at SDSU.

8. **Status-Faculty Searches:** Dr. Tummala stated that he has three candidates coming in this month for the faculty search. Dr. Mehrabadi stated that the Search Committee is reviewing 95 applications, and will select candidates to be invited for interviews by early next week. Dr. Mehrabadi stated that ERC has some candidates but no other specifics are known.

9. **Graduate Review:** Drs. Mehrabadi and Nosseir reported that they are still working on the graduate review self-study. Dr. Tummala stated that he has selected his aspirational institutions based on faculty size and research expenditures. The universities are as follows: Michigan State University, University of Texas – Arlington, University of Washington, and City College of New York. The Master of Engineering Program is not included in the data analysis.

10. 120-Unit Limit, Request for Exemption Status: The Exemption Request to Exceed 120 Units form needs to be completed and submitted to Dean Chase and Provost Marlin by Monday, February 11th. There was a general discussion of how to reduce units for graduation. It was suggested that Statics, Mechanics, and Materials be combined into a 4-unit course. Dr. Mehrabadi reported that he spoke with the Physics Chair, and that she is possibly agreeable to reducing Physics requirements by 3 units. Dean Hayhurst stated that the effective justification is that it requires a minimum of 96 math, science, and engineering units to train an engineer, and that there is little capacity to reduce.

11. Alumni Awards: Deadline for Alumni Award nominations is February 18th. Three nominations are needed. Each department is working on nominees.

12. Cluster Areas: Department Chairs reported on options for cluster areas. Dr. Nousseir stated that he was pursuing a cluster area with Computational Sciences. Dr. Mehrabadi stated Particulate Materials, MEMS, Micro and Nano Fabrication, and Bioengineering. Dr. Tummala stated that there is a faculty deficiency in Computer Hardware. Dean Hayhurst advised the Executive Committee to think targeted and collaboratively on a strategic plan, and that a deadline would be sometime in April 2013.

13. Academic Dean's Council:

- Graduate applications and acceptances are below where they have been historically.
- Graduate Affairs stated that there was concern about how long it is taking for graduate applications to get through the department process.
- At ADC, there was a discussion of an effective recruitment plan for high achieving students. A student (Andrew Lopez) with a 4.29 GPA and 1470 on SAT's (interested in Electrical Engineering) was used as an example of who the University would like to see being recruited into our programs.

14. Roundtable:

- Dean Hayhurst asked all to view the TED Lecture video online featuring Jordan Evans, the leader of the Mars Curiosity Team.
- University ad will feature the Mars Team; spot for next year for the entire university.
- Lecture/Presentation for the Mars Team to be held on Friday, April 19th at 3:15pm in ALS 201.

Adjourned: The meeting adjourned at 5:16pm.

