Engineering College Faculty Meeting
Michigan State University
Minutes of Thursday, October 18, 2007

FINAL

1. Approved Minutes from March 15, 2007 Meeting:
   - Minutes will be posted on College website.
   - College committees were requested to turn in their annual reports.

2. Introduction of New Faculty and Staff: New faculty and staff were introduced.

3. MSU Community Charitable Campaign & ASEE:
   - Craig Gunn discussed the MSU Community Charitable Campaign.
   - The Dean will fund the first year of new memberships in ASEE.

4. Update on College Activities – Dean Udpa:
   - John Stickland, Academic Council Representative, is looking for interested contributors to the Task Force on Governance.
   - Research funding and major awards were discussed.
   - The Energy and Automotive Research Laboratory was opened on August 24, 2007.
   - Engagement was encouraged with major companies, the Capital Area Manufacturing Council, the Grand Rapids Development, Alumni, and the Lansing Economical Area Partnership.
   - Undergraduate endowment is holding steady but an increase is desirable.
   - A request for an engineering residential hall has been made and the new cornerstone engineering curriculum has been reviewed.
   - The Career Center is open.
   - Engineering building renovations are planned and include an entrance loop and remodeling of the lobby.
   - Challenges facing the College of Engineering include the following.
     - Space shortages.
     - Meeting expectations of the higher quality students who are enrolling.
     - Securing Engineering Research Center Grants.
     - Providing a nurturing environment to students who need help.

5. Report from Associate Dean for Undergraduate Studies – Dr. Wolff:
   - Future Engineers Open House, previously the SET program, is this Saturday.
   - The residential program planning continues. Included are the development and piloting of EGR 100 and EGR 102 and the planning of residential hall features.
   - Academic dishonesty protocols were discussed. Currently there is not a tracking system for students who receive a 0 on an assignment for cheating, however a report to Associate Dean Wolff is suggested. If a student receives a 0 in a class for cheating, a report to Deans Wolff and Udpa is required.

6. Report from Associate Dean for Research and Graduate Students – Dr. Rosenberg:
   - Research themes were reviewed and include energy, health, materials, security, and sustainable economy.
- Reviewed graduate student enrollment numbers. MS student numbers are down because Ph.D. students are up. The goal is to have 0.5 Ph.D. students per FTE, based on peer numbers.
- Research expenditures are up.

7. **Report from Associate Dean for Special Initiatives – Dr. Kempel:**
   - Federal budget projections were discussed. NIH budget projected to substantially increase.
   - Referenced potential opportunities at NSF, DOD, and NASA.

8. **Open Discussion Theme**

   **Benchmark for graduating Ph.D. students**
   - Agenda items stems from desire to raise College ranking.
   - Experience in teaching is valuable for future careers.
   - There is an expectation that students will publish proceedings and papers although ultimate career goals may determine importance.

   **Raising expectations in our undergraduate courses:** math deficiencies, the causes, and techniques to overcome them were discussed.

   **Other ways to improve the standing of the Engineering College:**
   - Encourage interactions among faculty and Departments.
   - Seminar program between Michigan Universities for graduate students.
   - Outstanding graduate student awards.
   - Encourage students to present at conferences and enter competitions.
   - Invest in support programs.
   - Increase fellowship applications.

Respectfully Submitted:
Steve Safferman