

**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