

College of Engineering Faculty Meeting Minutes October 21, 1999

1. Dean Fouke was introduced to the faculty.
2. The approval of minutes from the October 1998 Faculty Meeting were deferred.
3. The chairs introduced new faculty in each department and new staff members were introduced.
4. The Dean reviewed her two most immediate objectives for the College.
 - A. Seeking Resources for the College that include four components:
 - i. Endowment
 - ii. Life Sciences Corridor
 - iii. Legislature
 - iv. APP & R

B. Recognition for Accomplishments of Faculty, Students, and Staff

- A. The Rational for Seeking Resources is for fulfilling our mission in improving and sustaining.
 1. Scholarship
 2. Education/Teaching
 3. Service

The four components in seeking resources were then discussed since they provide opportunities that can not be addressed without such support.

I. Raising Endowment

a. Development Office of College

- i. Increase staff (special gifts)
- ii. Improve training of staff
- iii. Develop an international mailing list to keep in contact with alumni overseas.

b. Communication

- i. Assure coherency in internal documents
- ii. Maintain regular contact with donors and prospects
- iii. Obtain assistance from department representative

II. Assist in Initiation of the Life Sciences Corridor

- a. There is \$50 M to Michigan Universities in the next 20-25 years to set up a Life Sciences Corridor that includes Michigan State University, University of Michigan and Wayne State University;
- b. Federal government suit may change time line for initiation of funding;
- c. There is need for the University to prepare an aggressive plan anticipating these monies. Wayne State University and University of Michigan are ahead of us in this planning. The College of Engineering should have an aggressive role in the university's planning.

III. Legislature – Emphasize our goals in:

- a. Providing training on science and engineering; and
- b. Providing assistance to legislative staffs on fundamentals relevant to current legislation.
- c. Payoff is indefinite and indirect

IV. APP & R

- a. Leverage our resources with other colleges; and
- b. Coordinate and strategize hiring decisions (both new positions and replacements) so that they emphasize the strengths and growth opportunities of the departments and the college.

B. Recognition of Accomplishments

- 1. Recognition for: (1) faculty; (2) students; and (3) staff.
- 2. Rationales for improving recognition of accomplishments
 - i. Raise Appreciation
 - ii. Enhance Understanding

iii. Increase Respect

I. Increase Recognition of Engineering on MSU Campus

- a. How do we get more time?
- b. Reduce redundancy in committees.
- c. More attention to role of departmental representatives in college committees so they build communication with their faculty and connection with other colleges.
- d. Use post-docs, specialists, and retirees to assist in the classroom to release faculty from heavy teaching responsibilities.

II. Increase Recognition within the State of Michigan

- a. Legislature
- b. Life Sciences Corridor
- c. Consulting Activities
- d. Industry Support

III. Increase Recognition of Colleagues Nationally & Internationally

a. Improve Graduate Recruiting

- i. Improve student selection
- ii. Deciding balance of MS/Ph.D. students
- iii. Doing what is necessary for getting best students here
- iv. Improve level of support

b. Improve Faculty Recruiting

- i. Identify college wide, strategic needs that couple with department needs;
- ii. Use single large ads in all the leading professional journals to increase recognition; and
- iii. Simultaneously implement nine search committees across the college.

- c. Improve Recognition Among Prospective Employers because they can:
 - i. provide funding;
 - ii. ease marketing of our students;
 - iii. provide coops and internships for our students; and
 - iv. serve on advisory committees.

- 5. Craig Gunn discussed College United Way. The College has always met its goal. Our goal for support has increased for this year.

- 6. Tom Wolfe discussed ABET results. Our programs have all been accredited. We did well and others are looking to us for advice. Each chair is preparing documents to indicating improvements and results of self-studies.

- 7. Dave Fisher discussed the GE Fund project "Returning the Early Undergraduate Engineering Experience" that totals \$805,000 of support. The effort focussed on service courses CPS 131, CE 280, and ECE 345. Lessons learned were that service courses affect what departments do and teach. Efforts are to strategize so courses can be effectively taught without grant support. ECE 345 would hopefully be integrated into capstone projects in other departments and lead to multi-disciplinary teaming in capstone design courses in the different departments.

- 8. Jon Sticklen talked about University Computer Advisory Committee. The proposal at UCAP is toward requiring students to acquire a computer, but not necessarily a laptop. If this is contrary to your needs or teaching philosophy, let Jon Sticklen know.

- 9. Nick Altiero talked about CAD/CAM/CAE Education. PACE is a partnership to improve CAD/CAM/CAE education by SUN, Unigraphics, and GM and EDC. PACE selected MSU as one of four (two U.S. and two Mexican) engineering colleges to receive assistance in improving CAD/CAM/CAE education through provision of hardware and Unigraphics software. The College received 110 Sun workstations with Unigraphics software worth an estimated \$30,000,000. We were the first university/college to receive a grant and received by far the largest level of support.