

1 Self-assessment

The CFARC, DPRC, and Department Chairperson reviews of my performance were all very encouraging.

CFARC **“We are convinced that Professor Taylor is a caring and concerned teacher who is committed to excellence in the classroom. He is very effective now, and we are certain that he will be even more effective in the future.”**

Chair **“He has demonstrated superb ability beyond his years, and is highly respected by his students and peers.”**

DPRC **“He is a tremendous asset to MSOE and has contributed a great deal in his short time here.”**

In my DPRC evaluation there were two “unsure” votes cast: one for “institutional activities” and one “professional activities.” Unfortunately, the comments included do not reveal the reason(s) for the “unsure” votes. In my assessment, the least flattering comments in these two categories are:

- **“Continue to become more involved”**
- **“+ consulting”**

The review process did not reveal any areas of concern. Therefore, my development plan is quite similar to what I had suggested within my CFARC narrative.

2 Improved Teaching Effectiveness

Listed below are a number of ways that I plan to continue in an effort to improve my effectiveness as a teacher:

- Further develop my expertise in the area of computer engineering. Continued experience teaching will naturally enhance my knowledge. In addition, I have embarked on an aggressive reading program to deepen my understanding.
- Pursue industrial experience through consulting activities. This will provide for a richer pool of experiences to share with my students. This past year I have done a limited amount of consulting for Direct Supply, Inc. (Milwaukee, WI) and a significant amount of consulting for the Mitra Corporation (Hartland, WI). My work with Direct Supply has provided additional exposure to software engineering practices. My work with Mitra has given me a number of additional practical experiences in the areas of computer graphics and numerical methods. In the summer of 2000 I provided consulting services to the Mitra Corporation and Iviewit.com Inc. (Boca Raton, FL).
- Continue fruitful discussions with other faculty on teaching techniques. I have benefited from a number of suggestions from other faculty in the Electrical Engineering and Computer Science department. I look forward to gaining further insights from the perspectives of others.
- Continue seeking ways to create an active classroom environment in which active learning is commonplace. In particular, seek to incorporate laptop use into the classroom.
- Respond to constructive suggestions from faculty members, graduates, employers, and students.
- Continue to review scholarly educational material such as ASEE Prism, ASEE Journal of Engineering Education, and a number of conference proceedings related to engineering education.

3 Other Development Activities

During this evaluation period, I will

- continue to coordinate a number of courses in the CE and SE curricula;
- develop at least two new courses;
- evaluate the appropriate textbook selection for courses that I teach;
- serve on departmental committees when appropriate;
- serve as an advisor for CE and SE students;
- contribute to the ABET accreditation effort;
- continue to develop mechanisms for assisting other faculty in transitioning to grading student work electronically;
- continue to “exhibit intelligence, wit and insight at department meetings.” (DPRC comment)
- serve at least two terms on the faculty senate;
- attract a nationally recognized expert to MSOE to provide a teaching workshop;

- continue to be involved with MSOE open houses;
 - attend at least four professional conferences; and
 - continue to provide consulting services to industrial clients;
 - develop, submit, (and hopefully execute) at least two grant proposals related to teaching effectiveness.
- The evaluation of many of these activities should be obvious. I will have either done them or not done them.

4 Resources Needed

Most of the above activities can be performed without any additional resources. However, some of them will require resources above and beyond the norm. In particular, summer project time or additional preparation hours during the academic year will be required for course development activities. Travel funds will be required for attendance at conferences.

In addition, I am submitting a grant that may require specific accommodation. One resource required for this may entail providing me with a specific teaching assignment for one or more quarters so that the grant may be performed. It may also be necessary to develop a mechanism for allowing in one section of CS 182 to all be placed in the same section of CS 183 the following quarter.

In the past, I have not had difficulty with finding the resources needed to achieve the objectives that I have set for myself at MSOE. Much of this can be attributed to the flexibility I have found within the department. I hope that this will continue in the future.