

Institute of Technology University of Washington, Tacoma Annual Activity Report

Name: Larry Wear **Date:** May 25, 2007

Teaching:

(Courses taught with explanations of results, innovations, etc. If you implemented any recommendations for improving teaching from previous reports, detail how this was accomplished. Attach actual syllabus used. Include all graduate students supervised and any final reports/thesis references. Also include all undergraduates supervised in directed readings)

Autumn 2006

TCSS 572 Computer Architecture (bridge course)

I attempted to introduce an assembly language programming component into the class but encountered equipment problems. We received 25 ARM development systems from Amtel but there was no software available to support the boards. I am currently working with faculty from Chico to see if we can obtain a software development system that will support these boards.

Winter, 2007

TCES 230 Introduction to Logic Design

This was the first time the course was taught on the UWT campus. I have some recommendations that would improve the class. First, there needs to be a separate laboratory component set up for the class in addition to the lecture time. I suggest that there be four hours per week dedicated to lecture and two or three hours per week dedicated to laboratory work. Secondly, we need to introduce logic simulation tools into the lab component. This may require purchasing additional software for the lab.

Scholarship:

- *Designing an Assessment-Based Engineering Program*, ICECE 2007, with Orlando Baiocchi
- *Embedded Assessment for Engineering Programs*, ICECE 2007, with Orlando Baiocchi
- Submitted proposal to Port Of Tacoma for funding for Electronic Navigations Aids, Principal Investigator (Project funded 12/2006)
- Assisted in the development of an NSF proposal for Broadening Participation in Computing, "BPC-DP Attracting Students to Computing with Courselets"

Service:

(Describe all service activities undertaken in the past year. You may include continuing service activities where there have been additional contributions. Describe the nature of the contribution, your accomplishments and any results that you think best describe your efforts).

External

- ABET Program Evaluation, University of Massachusetts, Lowell, October 2006. I evaluated the Computer Engineering program. I also worked with the department after the visit to assist UWM to make improvements to their program which would facilitate their meeting the ABET criteria.

UWT

- Member of UWT Distinguished Teaching Award selection committee.
- Member of IAS mathematics hiring committee

Program:

- Undergraduate curriculum committee member
- Facilities committee member
- Administrative Team (Kitchen Cabinet) member
- Hiring committee for Computer Engineering, chair
- Mentor to a junior faculty (Isabelle Bichindaritz)
- Mentor to a graduate student (Charles Bryant)
- Annual Review report co-author for two junior faculty (Bichindaritz, Hong)
- Rewrote the undergraduate section of CSS Graduate Program review
- Wrote a proposal for Computer Engineering degree that was submitted to the HECB and approved in December 2006
- Submitted proposal to PARC to develop Systems Engineering program
- Visited community colleges to recruit students
- Coordinated rewrite of syllabi for all CSS courses so that they include educational objectives and outcomes

Attachments: