

THE UNIVERSITY OF WISCONSIN-MILWAUKEE
College of Engineering and Applied Science

FACULTY MEETING

Friday, September 22, 2006 1:30 P.M. EMS E190

AGENDA

I. ANNOUNCEMENTS

A. Provost Rita Cheng to Address the Faculty

II. INTRODUCTIONS

A. Faculty

1. Joseph Bockhorst, Assistant Professor, Computer Science
Ph.D., University of Wisconsin-Madison

B. Staff

1. Ms. Michelle Schoenecker - Associate Technical Grant Writer

III. AUTOMATIC CONSENT BUSINESS

A. Minutes of the April 21, 2006 meeting

B. New Course and Course Changes -- See Attachment 1

IV. SPECIAL ORDER OF BUSINESS -- Nominations

A. Nominations Committee

Only members of Civil Engineering and Mechanics, Industrial and Manufacturing Engineering, and Materials may be nominated. One member is to be elected (to fill the position previously held by Prof. Naik.)

Continuing Members:

Professor E. Munson, Computer Science

Professor K. Pillai, Mechanical Engineering

V. INFORMAL REPORTS

Office of Student Services

Todd Johnson

Career Services

Juli Pickering

Curriculum Committee	Professor Yu
Graduate Program Subcommittee	Professor McRoy
Academic Planning Committee	Professor Horowitz
Faculty Senate	Professor Wang
Graduate Faculty Council	Professor Amano

VI. UNFINISHED BUSINESS -- None

VII. NEW BUSINESS

- A. Proposed Name Change for the Industrial and Manufacturing Engineering Department to Industrial Engineering Department -- See Attachment 2

VIII. GENERAL GOOD AND WELFARE

IX. ADJOURNMENT

John R. Reisel, Secretary
CEAS Faculty

JRR
Attachments

ATTACHMENT 1

NEW COURSE

CIV ENG 718 BIOLOGICAL PROCESSES FOR WATER AND WASTEWATER TREATMENT.
3 cr., G

Biological and engineering principles related to trickling filters, activated sludge plants, lagoons, rotating biological contactors, aerobic and anaerobic digesters, nutrient removal and bioremediation.

Prereq: grad standing, Civ Eng 413(R) or Civ Eng 610(R).

COURSE CHANGES

COMPSCI 351 (252) DATA STRUCTURES AND ALGORITHMS. 4 cr., U
Programming in a structured, high-level, object-oriented language.
Implementation of data structures and algorithms and their applications.
Prereq: CompSci 140(R), C or better in CompSci 152(P) or C or better in
CompSci 251(P).

had been

COMPSCI 351 (252) PROGRAMMING DATA STRUCTURES. 4 cr., U
Programming in a structured, high-level, object-oriented language.
Implementation of data structures and algorithms and their applications.
Prereq: CompSci 140(R), C or better in CompSci 152(P) or C or better in
CompSci 251(P).

ELECENG 595 CAPSTONE DESIGN COURSE. 4 cr., U
Team project in simulated industrial environment. Each team develops solutions to complex real world design problems and reports in professional writing and oral presentation. Counts as a repeat of ElecEng 355.
Prereq: sr st; ElecEng 335 (P), ElecEng 367(P)

had been

ELECENG 595 CAPSTONE DESIGN COURSE. 4 cr., U
Team project in simulated industrial environment. Each team develops solutions to complex real world design problems and reports in professional writing and oral presentation. Counts as a repeat of ElecEng 355.
Prereq: sr st; ElecEng 335 (P) or 332 (P), ElecEng 367(P)

IND ENG 370 INTRODUCTION TO OPERATIONS ANALYSIS. 3 cr., U
Functions and philosophies of the contemporary engineer in the production / service environment as it is planned, designed, manufactured / delivered, maintained, controlled, and distributed.
Prereq: Math 233(P)

had been

IND ENG 370

INTRODUCTION TO INDUSTRIAL AND MANUFACTURING ENGINEERING.

3 cr., U

Functions and philosophies of the contemporary engineer in the production / service environment as it is planned, designed, manufactured / delivered, maintained, controlled, and distributed.

Prereq: jr st.

**PROPOSAL TO CHANGE THE DEPARTMENT NAME OF "INDUSTRIAL AND
MANUFACTURING ENGINEERING" TO "INDUSTRIAL ENGINEERING"**

Justification:

Effective Fall 2008, the *Industrial & Manufacturing Engineering* Department has elected to remove *IE-450, Computer-Aided Manufacturing and Robotics* as a required course, and make it a technical elective instead. IE-450 will be replaced with *IE-583, Facility Planning*, a revision to the elective course *IE-583, Plant Layout and Material Handling*. IE-583 will no longer be an available technical elective. This change will remove the last of the manufacturing based courses as required courses, which is consistent with the specialties of the current IME staff, and will be reflected in the recently voted department name change to *Industrial Engineering*. Freshman students enrolling for the Fall 2008 semester or later will be required to complete the revised curriculum as stated above. Students who are currently enrolled, or enroll through the Summer of 2008 will be able to complete either the revised curriculum in entirety, or the current curriculum in entirety to graduate. To accommodate these students' interests, the IME department will offer IE-450 as a technical elective (IE 450 would be counted as a required course for those students who enrolled prior to the Fall of 2008 and wish to continue with the old curriculum.)