

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

FACULTY MEETING

Wednesday, April 23, 2003 3:30 P.M. EMS E190

AGENDA

**I. ANNOUNCEMENTS**

- A. 2003-04 Committee Rosters --- See Attachment 1

**II. AUTOMATIC CONSENT BUSINESS**

- A. Approval of Minutes of March 26, 2003 meeting
- B. Graduation  
*"The faculty recommends to the Board of Regents those students whose names are submitted by the Office of the Registrar as having completed the requirements for the degree of Bachelor of Science in their respective majors."*
- C. New Courses and Course Changes -- See Attachment 2

**III. SPECIAL ORDER OF BUSINESS -- Nominations**

A. Nominations Committee

Already Nominated:

Professor A. Dumitrescu, Electrical Engineering and Computer Science  
Professor K. Pillai, Mechanical Engineering

Only members of Civil Engineering and Mechanics, Electrical Engineering and Computer Science, Materials, and Mechanical Engineering may be nominated. Two members are to be elected.

Continuing Member:

Professor A. Garg, Industrial and Manufacturing Engineering

B. Awards and Recognition Committee

Already Nominated:

Professor K. Vairavan, Electrical Engineering and Computer Science

Only members of Civil Engineering and Mechanics and Electrical Engineering and Computer Science may be nominated. One member to be elected.

Continuing Members:

Professor C. Aita - Materials  
Professor J. Lee - Industrial and Manufacturing Engineering

**IV. INFORMAL REPORTS**

Office of Student Services	Todd Johnson
Curriculum Committee	Professor Dhingra
Graduate Program Subcommittee	Professor Rohatgi
Faculty Senate	Professor Buechler
Graduate Faculty Council	Professor Amano

**V. UNFINISHED BUSINESS – None**

**VI. NEW BUSINESS -**

1. Modifications to the Computer Science Curriculum Sheet -- See Attachment 3

**VII. GENERAL GOOD AND WELFARE**

**VIII. ADJOURNMENT**

John R. Reisel, Secretary  
CEAS Faculty

JRR:bk  
Attachments

**CEAS COMMITTEES FOR 2003-04**

		<b><u>TERM EXPIRES</u></b>
1)	<b><u>CURRICULUM COMMITTEE</u></b>	
	Professor C. Cheng - Computer Science	2005
	Professor J. Neumann - Materials	2005
	Professor H. Seifoddini - Industrial and Manufacturing Engineering	2005
	Professor A. Dhingra - Mechanical Engineering	2004
	Professor A. Horowitz - Civil Engineering and Mechanics	2004
	Professor C.T. Law - Electrical Engineering	2004
2)	<b><u>GRADUATE PROGRAM SUBCOMMITTEE</u></b>	
	Professor J. Jang - Industrial and Manufacturing Engineering	2005
	Professor A. Reza - Electrical Engineering	2005
	Professor ? - Civil Engineering and Mechanics	2005
	Professor P. Rohatgi - Materials	2004
	Professor T.C. Jen - Mechanical Engineering	2004
	Professor ? - Computer Science	2004
	Professor R. Amano - GFC Representative	2004
3)	<b><u>ACADEMIC PLANNING COMMITTEE</u></b>	
	Professor T. Barr - Materials	2006
	Professor D. Yu - Electrical Engineering	2006
	Professor J. Boyland - Computer Science	2005
	Professor H. Bravo - Civil Engineering and Mechanics	2005
	Professor N. Abu Zahra - Industrial and Manufacturing Engineering	2004
	Professor G. Kojasoy - Mechanical Engineering	2004
4)	<b><u>SCHOLASTIC APPEALS COMMITTEE</u></b>	
	Professor N. Abu-Zahra - Industrial and Manufacturing Engineering	2005
	Professor K-J Kim - Mechanical Engineering	2005
	Professor I. Suzuki - Computer Science	2005
	Professor T. Barr - Materials	2004
	Professor C.T. Law - Electrical Engineering	2004
	Professor K. Lee - Civil Engineering and Mechanics	2004

NEW COURSES

- CIV ENG 717      OPEN CHANNEL FLOW. 3 cr., G.  
Basic equations of continuity, mechanical energy and momentum. Uniform, gradually varied, and spatially varied flows. Hydraulic structures. Governing equations of unsteady and numerical solutions.  
Prereq: Grad St; Civ Eng 411(P) or Consent of Instructor.
- COMPSCI 201      INTRODUCTORY COMPUTER PROGRAMMING. 3 cr., U.  
Problem solving with structured programming techniques using an object-oriented programming language, including control structures, functions, arrays, vectors, and pre-defined objects.  
Prereq: Math Placement Code of 30 or Math 105(P); Prior exposure to computer programming or CompSci 132(R).
- COMPSCI 251      INTERMEDIATE COMPUTER PROGRAMMING. 4 cr., U.  
Problem solving with objects. Writing classes. Use of standard data structures. Basic software development skills including text analysis tools, debugging, and configuration management.  
Prereq: Math Placement Code of 30 or Math 105(P); C or better in CompSci 201(P); CompSci 140(R).
- COMPSCI 581      WEB LANGUAGES AND STANDARDS. 3 cr., U/G.  
Introduction to languages and standards for Web applications, including markup, schema, style, transformation and metadata languages. Document programming interfaces. Emphasis on programming language principles.  
Prereq: Jr.St.: CompSci 431(P); CompSci 417(R).

COURSE CHANGES

- COMPSCI 215      INTRODUCTION TO COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAMMING. 3 cr., U.  
Introduction to number systems, arithmetic and Boolean operations. Digital computer organization. Study of a specific computer system, assembly and machine language programming.  
Prereq: CompSci 151(P) or 152(P) or 153(P) or 201(P); Math 211(P) or 226(P) or 231(P).
- had been
- COMPSCI 215      INTRODUCTION TO COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAMMING. 3 cr., U.  
Introduction to number systems, arithmetic and Boolean operations. Digital computer organization. Study of a specific computer system, assembly and machine language programming.  
Prereq: CompSci 151(P) or 152(P) or 153(P); Math 211(P) or 226(P) or 231(P).

COMPSCI 217 DISCRETE INFORMATION STRUCTURES. 3 cr., U.  
Introductory discussion of logic, proof techniques, sets, functions, relations, combinatorics, probability, and graphs.  
Prereq: grade of C or better in Math 221(P), 226(P), or 231(P); CompSci 152(P) or 201(P).

had been

COMPSCI 217 DISCRETE INFORMATION STRUCTURES. 3 cr., U.  
Introductory discussion of logic, proof techniques, sets, functions, relations, combinatorics, probability, and graphs.  
Prereq: grade of C or better in Math 221(P), 226(P), or 231(P); CompSci 152(P).

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

had been

COMPSCI 252 COMPUTER PROGRAMMING II. 4 cr., U.  
Programming in a structured, high-level, object-oriented language, such as C++.  
Implementation of data structures and algorithms and their application.  
Prereq: CompSci 140(R), C or better in CompSci 152(P).