

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

FACULTY MEETING

Friday, November 21, 2014 1:45 P.M. EMS E190

AGENDA

I. ANNOUNCEMENTS

- A. Active Shooter Response Training – Officer Brown (UWM Police)
- B. Millionaire’s Club Inductions
- C. Update on Senior Associate Dean positions searches.

II. INFORMAL REPORTS – See Attachment 1

- A. Opportunity for Questions regarding Informal Reports

III. AUTOMATIC CONSENT BUSINESS

- A. Minutes of the September 26, 2014 meeting
- B. New Courses and Course Changes – See Attachment 2
- C. Changes to the B.S. in Computer Science Curriculum – See Attachment 3

IV. UNFINISHED BUSINESS – None

V. NEW BUSINESS

- A. Ph.D. Qualifying Examination Requirements – See Attachment 4
- B. ABET Update
- C. Southwest Quadrant Planning Update

VI. GENERAL GOOD AND WELFARE

VII. ADJOURNMENT

John R. Reisel, Secretary
CEAS Faculty

JRR

INFORMAL REPORTS

Office of Student Services – Todd Johnson

One the next page is a summary report on new CEAS freshmen and transfer students and where they came from.

New CEAS Undergraduate Student Highlights

- 334 New Undergraduate degree candidates
 - 208 Freshmen
 - 126 Transfer
- 87% Freshmen from Wisconsin
- 65% Freshmen from Greater Milwaukee Area
- 64% of Transfer from Previous College in Wisconsin
- Top Feeder High School - Brookfield Central
- Top Feeder College – North China Institute of Electrical Power

ENGINEERING & COMPUTER SCIENCE
NEW UNDERGRADUATE STUDENTS
FALL 2014

New Freshmen Top Feeder High Schools	
School	#
Brookfield East High School	6
New Berlin Eisenhower High School	5
Greenfield High School	5
Marquette University High School	5
Sheboygan North High School	5
West Bend East High School	5
Sussex Hamilton, Lakeview, Wauwatosa West	4

New Transfer Top Feeder Colleges	
School	#
North China Inst. of Electrical Power	17
Milwaukee Area Technical College	9
University of Wisconsin - Madison	7
Carroll College	6
Milwaukee School of Engineering	6
UW Green Bay, UW Oshkosh,	5
UW Washington Co, UW Waukesha	

New Freshmen By State of High School		
State	#	%
Wisconsin	180	87%
Illinois	15	7%
Minnesota	8	4%
Other	1	0%
International	4	2%
Total	208	100%

New Transfer By State of Previous College		
State	#	%
Wisconsin	81	64%
Illinois	6	5%
Minnesota	2	2%
Other	15	12%
International	22	17%
	126	100%

New Freshmen By Proximity to UWM		
Proximity to UWM	#	%
Suburb Milwaukee	117	56%
Other Wisconsin	45	22%
City of Milwaukee	18	9%
Illinois	15	7%
Minnesota	8	4%
International	4	2%
Other	1	0%
Total	208	100%

New Transfer By Type of Previous College		
Type of College	#	%
UW System 4-year	32	25%
International	22	17%
UW System 2-year	17	13%
Wisc. Technical College	16	13%
Wisconsin Private	16	13%
Other State 4-year	15	12%
Other State 2-year	8	6%
	126	100%

Career Services – Juli Pickering

No Report

Curriculum Committee – Prof. Tabatabai

No Report

Graduate Program Subcommittee – Prof. Li

No Report

Academic Planning Committee – Prof. Misra

The APC had two meetings in October. The main item at both of these meetings was to learn about the CEAS budget status. The logistics of conducting the CEAS climate survey were also discussed. The Committee talked about the voting rights of faculty members affiliated with multiple departments.

Biomedical and Health Informatics – Prof. McRoy

No Report

Faculty Senate – Prof. Reisel

At its October meeting, the Faculty Senate received updates on UWM's government lobbying efforts and on its Charter School program. A summary of the November Faculty Senate meeting will be included in the minutes of this meeting.

Graduate Faculty Committee – Prof. Campbell-Kyureghyan

See below.

UPDATES FROM THE GRADUATE FACULTY COMMITTEE

The UWM Graduate Faculty Committee (GFC) met on September 22, 2014. A brief summary of the items of most interest to CEAS from the meeting is presented below. Full details can be found at: <http://graduateschool.uwm.edu/faculty-staff/governance/graduate-faculty-committee>

- Dean of the Graduate School, Marija Gajdardziska-Josifovska, announced that the enrollment in the Graduate School this semester is similar to last year's. An important question is how to reach our target of 6,000 Graduate School students by 2020. There's the possibility that programs could purchase names of those who took the GRE Test to include in marketing campaigns with the goal of increasing the applicant pool. New program development is another avenue, but a process for prioritizing planning is needed.
- More than 80 potential graduate degree and certificate programs were proposed during the academic planning phase of the strategic plan.
- The information on the proposed changes to the Graduate School admissions and continuation policy was distributed and approved.

Proposed Changes - Elimination of the probationary admission category

- ✓ Still need to provide evidence for admission if GPA is below 2.75
- ✓ All students held to the same continuation standards once admitted
- ✓ Eliminate the details of how English proficiency is attained from the admission policy (there is a separate GFC document for English proficiency)
- ✓ Eliminate the two-course restriction on deficiencies
- ✓ Discontinue tracking and removal of deficiencies by the Graduate School

Other Proposed Changes – Continuation Policy

- ✓ • If the probationary admission category is discontinued, then the Grad Dean's OK is not needed for failure to remove a student from probation status within three enrolled semesters
- ✓ If deficiency tracking is discontinued, then the Grad Dean's OK is not needed if deficiencies are not removed within three enrolled semesters

Other Proposed Changes – Continuation Policy – Academic Dismissal

- ✓ Add accumulating U grades in thesis courses as a reason for dismissal (to be consistent with dissertation courses)
- ✓ Add the failing dissertation defense as a reason for dismissal

The two proposed changes above are not mandatory reasons for dismissal, but departments could use them.

- The Certificate Policy Change and the English Proficiency documents are still work in progress.

ATTACHMENT 2

NEW COURSES

COMPSCI 240 INTRODUCTION TO ENGINEERING PROGRAMMING, 3 cr., U
Problem solving with structured programming techniques using an engineering oriented programming language, such as MATLAB, including control structures, functions, arrays and matrices.
Prereq: Math Placement Code of 40 or Math 116(P).

COURSE CHANGES

COMPSCI 250 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 40 or Math 116(P) or Math 211(P)

had been

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 35 or Math 116(C) or Math 211(C)

COMPSCI 251 INTERMEDIATE COMPUTER PROGRAMMING, 3 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 40 or Math 116(P) or Math 211(P); C or better in CompSci 250(201)(P)

had been

COMPSCI 251 INTERMEDIATE COMPUTER PROGRAMMING, 3 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 40 or Math 116(P) or Math 211(P); C or better in CompSci 201(P)

COMPSCI 315 INTRODUCTION TO COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAMMING 3 cr., U
Introduction to number systems, arithmetic and Boolean operations. Digital computer organization. A specific computer system, assembly and machine language programming.

Prereq: Math Placement Code of 40 or Math 116(P) or Math 211(P);
CompSci 250(201)(P).

had been

COMPSCI 315 INTRODUCTION TO COMPUTER ORGANIZATION AND ASSEMBLY
LANGUAGE PROGRAMMING 3 cr., U
Introduction to number systems, arithmetic and Boolean operations.
Digital computer organization. A specific computer system, assembly and
machine language programming.
Prereq: Math Placement Code of 40 or Math 116(P) or Math 211(P);
CompSci 201(P).

COMPSCI 317(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
250 (201)(P).

had been

COMPSCI 317(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).

ATTACHMENT 3

Changes to the B.S. in Computer Science Curriculum

All references to "CompSci 201" in the currently-approved B.S. in Computer Science curriculum will be changed to "CompSci 250".

Ph.D. Qualifying Exam Requirements

From the GPSC:

Motion: Change the current requirements from:

"For students admitted after completion of an appropriate master's degree, this examination *must* be taken in the semester immediately after **18** credits of graduate course work have been earned at UWM."

to:

"For students admitted after completion of an appropriate master's degree, this examination *must* be taken in the semester immediately after **12** credits of graduate course work have been earned at UWM."