

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

FACULTY MEETING

Friday, October 4, 2019 10:30 A.M. EMS E180

AGENDA

**I. DEAN UPDATE**

**II. INTRODUCTIONS**

**A. Faculty**

1. Andrew Graettinger, Associate Dean for Research, Professor, CEE
2. Priyatha Premnath, Assistant Professor, Biomedical Engineering
3. Jacob Rammer, Assistant Professor, Biomedical Engineering

**B. Staff**

1. Steven Anderson, Academic Support and Retention Coordinator
2. Michelle Boehm, Marketing Specialist and Event Coordinator

**III. ANNOUNCEMENTS**

- A. Jean Opitz – Development update
- B. UITS – Multi-factor authentication
- C. Accessibility Resource Center – Jonathan Broskowski and Shannon Aylesworth
- D. New CEAS Millionaires Club members
- E. CEAS Award Recipients

Outstanding Teaching Award for the 2018-2019 Academic Year:  
**Iftexharuddin Khan**

Outstanding Faculty Research Award for the 2018-2019 Academic Year:  
**Junjie Niu**

**IV. INFORMAL REPORTS – See Attachment 1**

- A. Opportunity for questions regarding Informal Reports

**V. DETERMINATION OF THE PRESENCE OF A QUORUM FOR FACULTY MEETING**

**VI. AUTOMATIC CONSENT BUSINESS**

- A. Minutes of the April 26, 2019 meeting
- B. New Courses – See Attachment 2
- C. Computer Engineering Program Change – See Attachment 3

**VII. NEW BUSINESS**

- A. Integrated BS/MS Program Change (from GPC) – See Attachment 4
- B. Doctoral Program Committee Change (from GPC) – See Attachment 5

**VIII. GENERAL DISCUSSION**

**IX. ADJOURNMENT**

John R. Reisel, Secretary  
CEAS Faculty

JRR  
Attachments

INFORMAL REPORTS

Office of Student Services – Todd Johnson  
No Report

Career Services – Juli Pickering  
No Report

Curriculum Committee – Prof. A. Rahman  
No Report

Graduate Program Subcommittee – Prof. Suzuki  
No Report

Academic Planning Committee – Prof. ?  
No Report

Faculty Senate – Prof. Reisel

Following the Chancellor's Plenary Address, the Senate conducted mostly routine business. The primary item of business was the modification of the Post Tenure Review policy. The modifications concentrated on clarifying the document in various areas, specifying a final responsible party for the creation of remediation plans, and specifically integrating the unit's review criteria into the review process.

NEW COURSES

- BME 437                   INTRODUCTION TO BIOMEDICAL IMAGING, 3 cr., U/G  
Biomedical imaging modalities and underlying principles: X-radiography, computerized tomography, Radon transforms; image reconstruction techniques; ultrasonic imaging; nuclear medicine; magnetic resonance imaging; experimental techniques. BME 437/ELECENG 437 are jointly offered and count as repeats of each other.  
Prereq: sr st, BME 310 (P) or ELECENG 310 (P)
- BME 439                   INTRODUCTION TO BIOMEDICAL OPTICS, 3 cr, U/G  
Tissue Optical Properties, Light Transport, Fourier Transforms in Spatial Domain, Wave theory, Spectroscopy, Optical imaging, Laser-Tissue interaction, Photoconversion, Photodynamic Therapy, Microscopy, Fluorescence imaging, and OCT. BME439/ELECENG 439 are jointly offered and count as repeats of each other.  
Prereq: sr st, BME 310 (P) or ELECENG 310 (P)
- ELECENG 437            INTRODUCTION TO BIOMEDICAL IMAGING, 3 cr., U/G  
Biomedical imaging modalities and underlying principles: X-radiography, computerized tomography, Radon transforms; image reconstruction techniques; ultrasonic imaging; nuclear medicine; magnetic resonance imaging; experimental techniques. BME 437/ELECENG 437 are jointly offered and count as repeats of each other.  
Prereq: sr st, BME 310 (P) or ELECENG 310 (P)
- ELECENG 439            INTRODUCTION TO BIOMEDICAL OPTICS, 3 cr, U/G  
Tissue Optical Properties, Light Transport, Fourier Transforms in Spatial Domain, Wave theory, Spectroscopy, Optical imaging, Laser-Tissue interaction, Photoconversion, Photodynamic Therapy, Microscopy, Fluorescence imaging, and OCT. BME439/ELECENG 439 are jointly offered and count as repeats of each other.  
Prereq: sr st, BME 310 (P) or ELECENG 310 (P)

**COMPUTER ENGINEERING PROGRAM CHANGES**

The following are the program changes for the Computer Engineering BS program:

- 1) Set total number of credits to 120.
- 2) Remove CompSci 240 and MechEng 101 and CompSci 469 from the list of required courses.
- 3) Add CompSci 469 to the technical elective group A.

**INTEGRATED BS/MS PROGRAM CHANGE**

Motion: That the BS/MS program be changed to allow up to 9 double-counted credits, of which no more than 6 can be forward-counted. The remainder (3-9 credits) can be backward-counted.

————— Original Catalog Text —————

Admission

An Integrated BS-MS program is available for exceptional undergraduate students. In this program, students take 6 graduate credits while completing the BS degree.

Minimum admission requirements:

- 3.2 GPA.
- 36 credits or less remaining for the BS.
- Approval from their major department.

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————— Proposed Catalog Text —————

Admission

An Integrated BS-MS program is available for exceptional undergraduate students. In this program, students may take up to 9 credits that count in both the BS degree and the MS degree. Up to 6 graduate credits may be taken while completing the BS degree. For the remaining 3-9 credits, students may be admitted to the MS program prior to completing the BS degree, in accordance with UWM Graduate School rules.

Minimum admission requirements:

- 3.2 GPA.
- 36 credits or less remaining for the BS when enrolling in graduate credits during BS studies, and
- 3-9 credits or less remaining for the BS at the time of admission to the MS program, depending on the number of double-counting credits that will be taken during the MS.
- Approval from their major department.

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**DOCTORAL PROGRAM COMMITTEE CHANGE**

————— Original Catalog Language —————

Doctoral Program Committee

The Doctoral Program Committee is proposed by the major professor in consultation with the student and the department. The Committee must include at least five graduate faculty (three from major area, one from minor area, and one from another area). The member from another area may be a person from outside the University (such as another university, a research laboratory, or a relevant industrial partner), provided that person meets Graduate School requirements. The Committee may have more than five members, provided that the majority of the Committee members are from the student's major field.

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————— Proposed Catalog Language —————

Doctoral Program Committee

The Doctoral Program Committee is proposed by the major professor in consultation with the student and the department. The Committee must include at least five graduate faculty (three from major area, one from minor area, and one from any area, including the major and minor areas). The last member may be a person from outside the University (such as another university, a research laboratory, or a relevant industrial partner), provided that person meets Graduate School requirements. The Committee may have more than five members, provided that the majority of the Committee members are from the student's major field.

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