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

F A C U L T Y   M E E T I N G

Friday, November 5, 2021

A G E N D A

The November 5, 2021 faculty meeting has been canceled due to a lack of business.

AUTOMATIC CONSENT BUSINESS

    A. New Courses and Course Changes – See Attachment 1

    B. Engineering Graduate Program Seminar Changes – See Attachment 2

    C. Electrical Engineering Ph.D. Program Change – See Attachment 3

NOTE TO FACULTY:

CEAS Faculty legislation allows for the approval of Automatic Consent Business in the absence of a regularly scheduled faculty meeting. If there is any objection to the above, consideration will be delayed until the next regularly scheduled faculty meeting.

Objections to approval of the above must be received by the Secretary of the CEAS Faculty in writing before 10:30 a.m., Friday, November 5, 2021.

                  John R. Reisel, Secretary
                  CEAS Faculty

NEW COURSES

EAS 701	EFFECTIVE ACADEMIC WRITING, 1 cr., G Principles and practices for effective academic research writing. Prereq: grad st

EAS 702   PREPARING FUTURE ENGINEERING FACULTY & PROFESSIONALS, 2 cr. G
A survey of the graduate school experience and of academic and professional life after graduation.
Prereq: grad st

MATLENG 485 INTRODUCTION TO COMPUTATIONAL MATERIALS, MODELING AND SIMULATIONS, 3 cr, U/G
Basic principles of materials modeling and molecular simulation techniques used to study the properties and behavior of materials at the molecular level.
Prereq: jr st, MatlEng 201(P)

MATLENG 785 ATOMISTIC MODELING AND SIMULATION OF MATERIALS, 3 cr., G
Fundamental principles describing materials in terms of electrons and atoms; relations with macroscopic behaviors; modeling and simulation techniques including ab initio, density functional theory, molecular dynamics, and others.
Prereq: grad st

COURSE CHANGES   (Additions made in Green. Deletions Indicated in Red)

COMPSCI 557 INTRODUCTION TO DATABASE SYSTEMS, 3 cr., U/G
General database system concepts. Physical data organization. Data models and database systems. Database design theory. Query optimization. Transaction management. Logic and database.
Prereq: jr st; CompSci 315(215)(P) & 251(P) or equiv.

ENGINEERING GRADUATE PROGRAM SEMINAR CHANGES

<u>Engineering M.S. Degree Proposed Change</u>:

Replace Graduate Seminar with EAS 701 and EAS 702.

<u>Engineering Ph.D. Degree Proposed Change</u>:

Change the Graduate Seminar requirement to be EAS 701 and EAS 702

ELECTRICAL ENGINEERING Ph.D. PROGRAM CHANGE

<u>Electrical Engineering Ph.D. Degree Proposed Change</u>:

Change the Graduate Seminar requirement to be EAS 701 and EAS 702