MINUTES
GRADUATE COUNCIL
JANUARY 28, 2021

Present: Ex officio: R. Bonhomme, H. Edwards


Guests: K. Almasi, P. Bernhard, C. Johnston, B. Neff, T. O’Connor, M. Ruane, R. Sippel

The meeting was called to order at 1:00 p.m. (via zoom).

(1) CALL TO ORDER—Dr. Heidi Edwards

Dr. Edwards welcomed everyone back. Dr. Edwards indicated all voting members were present. Dr. Edwards noted we have a large agenda but we should be able to move through the agenda items efficiently.

(2) ADDRESS COUNCIL MEMBERS—Dr. Raymond Bonhomme

Given the Charter for Graduate Council, Dr. Bonhomme has reviewed graduate policies that may be impacted with the Charter. Clearly, the graduate policy (GP 4.2) related to Graduate Council needs to be updated. After looking at the other graduate policies, there needs to be edits, updates, and possibly policy changes as a result of organizational changes, changes in titles for units, and other changes. Dr. Bonhomme indicated he may call a meeting of Dr. Edwards and the members of the Standards Committee for recommendations on how to proceed.

Dr. Bonhomme also said he is working on the five-year review for members of the graduate faculty to show currency for continued appointment as a graduate faculty member.

(3) MINUTES OF THE NOVEMBER 2020 GRADUATE COUNCIL MEETING

Minutes Unanimously Approved

The minutes of the November 19, 2020, meeting were unanimously approved on a motion by Dr. Carstens and a second by Dr. Peverati.
(4) **ADDING NEW COURSES—SCHOOL OF BEHAVIOR ANALYSIS**

**CHANGING GRADUATION REQUIREMENTS—SCHOOL OF BEHAVIOR ANALYSIS**

Unanimously Approved and Recommends Approval by the Provost

Adding New Courses Request is made by the School of Behavior Analysis to change course numbers for the Master of Arts in Behavior Analysis Practice (MA in BAP) (major code 8155) in an attempt to streamline and automate the student online registration process: BEH 5020a to BEH 5071; BEH 5020b to BEH 5072; BEH 5020c to BEH 5073; BEH 5020d to BEH 5074; BEH 5020e to BEH 5075; and BEH 5020id to BEH 5076.

Changing Graduation Requirements Request is made by the School of Behavior Analysis to change course numbers for the Master of Arts in Behavior Analysis Practice (MA in BAP) (major code 8155) in an attempt to streamline and automate the student online registration process: BEH 5020a to BEH 5071; BEH 5020b to BEH 5072; BEH 5020c to BEH 5073; BEH 5020d to BEH 5074; BEH 5020e to BEH 5075; and BEH 5020id to BEH 5076.

On a motion by Dr. Bostater and a second by Dr. Du, the requests made by the School of Behavior Analysis were unanimously approved and recommends approval by the Provost.

(5) **CHANGING REQUIREMENTS FOR COURSES—BISK COLLEGE OF BUSINESS**

Unanimously Approved and Recommends Approval by the Provost

Request is made by the Bisk College of Business to change the grade mode from S/U to A-F for the following courses: BUS 6990 RESEARCH METHODS 1 and BUS 6991 RESEARCH METHODS 2.

On a motion by Dr. Bostater and a second by Dr. Perez, the requests made by the Bisk College of Business were unanimously approved and recommends approval by the Provost.

(6) **ADDING A NEW COURSE—BISK COLLEGE OF BUSINESS**

Unanimously Approved and Recommends Approval by the Provost

Request is made by the Bisk College of Business to add a new course BUS 6038 ADVANCED MARKETING MANAGEMENT.

Dr. Subramanian noted the syllabus of the course does not have the grade of “D.” Dr. Edwards also agreed. After some discussion, it was agreed since the course is required any grade below a “C” will require repeating the course.

On a motion by Dr. Perez and a second by Dr. Wilder, the request made by the Bisk College of Business was unanimously approved and recommends approval by the Provost.
(7) **CHANGING GRADUATION REQUIREMENTS—BISK COLLEGE OF BUSINESS**

*Unanimously Approved and Recommends Approval by the Provost*

Request is made by the Bisk College of Business to change graduation requirements to replace **BUS 6034 ADVANCED STUDY IN INNOVATION AND ENTREPRENEURSHIP** with **BUS 6038 ADVANCED MARKETING MANAGEMENT**.

On a motion by Dr. Perez and a second by Dr. Du, the request made by the Bisk College of Business was unanimously approved and recommends approval by the Provost.

(8) **ADDING A NEW COURSE—COLLEGE OF ENGINEERING AND SCIENCE**

*Unanimously Approved and Recommends Approval by the Provost*

Request is made by the Department of Aerospace, Physics, and Space Sciences to add a new course **AEE 5490 SELECTED TOPICS AND STRUCTURES AND MATERIALS**.

On a motion by Dr. Wilder and a second by Dr. Bostaster, the request made by the Department of Aerospace, Physics, and Space Sciences was unanimously approved and recommends approval by the Provost.

(9) **CHANGING REQUIREMENTS FOR A COURSE—COLLEGE OF ENGINEERING AND SCIENCE**

*Unanimously Approved and Recommends Approval by the Provost*

Request is made by the Department of Biomedical and Chemical Engineering and Sciences to change course requirements for **BME 5730 BIOPHOTONICS AND MICROSCOPY** by removing the existing prerequisites **MTH 2201** and **MTH 3200** and add other restrictions—recommend a background knowledge in ordinary differential equations.

On a motion by Dr. Peverati and a second by Dr. Bostater, the request made by the Department of Biomedical and Chemical Engineering and Sciences was unanimously approved and recommends approval by the Provost.
(10) **CHANGING REQUIREMENTS FOR A COURSE—COLLEGE OF ENGINEERING AND SCIENCE**

**Unanimously Approved and Recommends Approval by the Provost**

Request is made by the Department of Biomedical and Chemical Engineering and Sciences to change course requirements for CHE 6990 RESEARCH IN CHEMICAL ENGINEERING to remove the restriction “May be repeated for a maximum of nine credits.”

On a motion by Dr. Bostater and a second by Dr. Wilder, the request made by the Department of Biomedical and Chemical Engineering and Sciences was unanimously approved and recommends approval by the Provost.

(11) **CHANGING REQUIREMENTS FOR A COURSE—COLLEGE OF ENGINEERING AND SCIENCE**

**Unanimously Approved and Recommends Approval by the Provost**

Request is made by the Department of Biomedical and Chemical Engineering and Sciences to change course requirements for CHM 6095 CHEMICAL RESEARCH to allow students to take up to nine (9) credit hours in research in one semester.

On a motion by Dr. Peverati and a second by Dr. Du, the request made by the Department of Biomedical and Chemical Engineering and Sciences was unanimously approved and recommends approval by the Provost.

(12) **UPDATING ADMISSION AND DEGREE REQUIREMENTS—COLLEGE OF ENGINEERING AND SCIENCE**

**This is an information item for Graduate Council**

Request is made by the Department of Biomedical and Chemical Engineering and Sciences to update the catalog admission and degree requirements for the Chemical Engineering Ph.D. program.

(13) **APPOINTMENT TO THE GRADUATE FACULTY—COLLEGE OF ENGINEERING AND SCIENCE**

**Unanimously Approved and Recommends Approval by the Provost**

Request is made by the Department of Biomedical and Chemical Engineering and Sciences to appoint Dr. Ali Raissi to the graduate faculty in chemical engineering. The appointment is at the MS level.

On a motion by Dr. Bostater and a second by Dr. Wilder, the request made by the Department of Biomedical and Chemical Engineering and Sciences was unanimously approved and recommends approval by the Provost.
(14) **CHANGING REQUIREMENTS FOR A COURSE—COLLEGE OF ENGINEERING AND SCIENCE**

*Unanimously Approved and Recommends Approval by the Provost*

Request is made by the Department of Computer Engineering and Sciences to approve the revisions to the prerequisite/co-requisite requirements for CYB 5285 SECURE OPERATING SYSTEMS; CYB 5290 SECURE DATA COMMUNICATION AND NETWORKS; CYB 5660 SECURE SOFTWARE DEVELOPMENT; CYB 5678 CRYPTOGRAPHY AND INFORMATION HIDING; and CYB 5800 ADVANCED TOPICS IN INFORMATION ASSURANCE.

On a motion by Dr. Bostater and a second by Dr. Subramanian, the request made by the Department of Computer Engineering and Sciences was unanimously approved and recommends approval by the Provost.

(15) **CHANGING GRADUATION REQUIREMENTS—COLLEGE OF ENGINEERING AND SCIENCE**

*Unanimously Approved and Recommends Approval by the Provost*

Request is made by the Department of Computer Engineering and Sciences proposes to revise the graduation requirements for the MS program Information Assurance and Cybersecurity. The proposed change removes the course CYB 5285 SECURE OPERATING SYSTEMS from the list of required courses and increases the number of elective courses so that the number of credit hours required for this degree is not altered.

On a motion by Dr. Peverati and a second by Dr. Bostater, the request made by the Department of Computer Engineering and Sciences was unanimously approved and recommends approval by the Provost.

(16) **DEACTIVATION OF A CERTIFICATE PROGRAM—COLLEGE OF ENGINEERING AND SCIENCE**

*This in an information item for Graduate Council*

Request is made by the Department of Computer Engineering and Sciences to deactivate the Enterprise Architecture Graduate Certificate program effective with the 2021-22 catalog. No additional students will be admitted.
(17) **ADDING NEW COURSES—COLLEGE OF ENGINEERING AND SCIENCE**

**CHANGING REQUIREMENTS FOR A COURSE—COLLEGE OF ENGINEERING AND SCIENCE**

*Unanimously Approved and Recommends Approval by the Provost*

Request is made by the Department of Mathematical Sciences to add a new course **MTH 5225 LINEAR OPTIMIZATION MODELS AND METHODS**.

Request is made by the Department of Mathematical Sciences to add a new course **MTH 5335 NONLINEAR OPTIMIZATION MODELS AND METHODS**.

Request is made by the Department of Mathematical Sciences to add a new course **MTH 5324 STATISTICAL MODELING**.

Request is made by the Department of Mathematical Sciences to add a new course **MTH 5305 NUMERICAL LINEAR ALGEBRA**.

Request is made by the Department of Mathematical Sciences to add a new course **MTH 5415 REGRESSION MODELS FOR MACHINE LEARNING**.

Request is made by the Department of Mathematical Sciences to add a new course **MTH 5110 REAL ANALYSIS 1**.

Request is made by the Department of Mathematical Sciences to change the name of the course **MTH 5111 REAL VARIABLES 1** to **MTH 5111 TO REAL ANALYSIS 2**.

On a motion by Dr. Perez and a second by Dr. Du, the requests made by the Department of Mathematical Sciences were unanimously approved and recommends approval by the Provost.

(18) **CHANGING GRADUATION REQUIREMENTS—COLLEGE OF ENGINEERING AND SCIENCE**

*Unanimously Approved and Recommends Approval by the Provost*

Request is made by the Department of Mathematical Sciences for the M.S. in Applied Mathematics to change core courses and restricted electives.

On a motion by Dr. Wilder and a second by Dr. Perez, the request made by the Department of Mathematical Sciences was unanimously approved and recommends approval by the Provost.
(19) **CHANGING GRADUATION REQUIREMENTS—COLLEGE OF ENGINEERING AND SCIENCE**

**Unanimously Approved and Recommends Approval by the Provost**

Request is made by the Department of Mathematical Sciences for the Ph.D. in Applied Mathematics to update core courses.

On a motion by Dr. Du and a second by Dr. Perez, the request made by the Department of Mathematical Sciences was unanimously approved and recommends approval by the Provost.

(20) **CHANGING GRADUATION REQUIREMENTS—COLLEGE OF ENGINEERING AND SCIENCE**

**Unanimously Approved and Recommends Approval by the Provost**

Request is made by the Department of Mathematical Sciences for the M.S. in Operations Research to update core courses.

On a motion by Dr. Wilder and a second by Dr. Perez, the request made by the Department of Mathematical Sciences was unanimously approved and recommends approval by the Provost.

(21) **CHANGING GRADUATION REQUIREMENTS—COLLEGE OF ENGINEERING AND SCIENCE**

**Unanimously Approved and Recommends Approval by the Provost**

Request is made by the Department of Mathematical Sciences for the Ph.D. in Operations Research to update core courses.

On a motion by Dr. Perez and a second by Dr. Bostater, the request made by the Department of Mathematical Sciences was unanimously approved and recommends approval by the Provost.

(22) **ADDING A NEW COURSE—COLLEGE OF ENGINEERING AND SCIENCE**

**Unanimously Approved and Recommends Approval by the Provost**

Request is made by the Department of Mechanical and Civil Engineering to add a new course **MEE 5693 INTELLIGENT OPTIMAL CONTROL**.

On a motion by Dr. Bostater a second by Dr. Du, the request made by the Department of Mechanical and Civil Engineering was unanimously approved and recommends approval by the Provost.
(23) **ADDING A NEW COURSE—COLLEGE OF ENGINEERING AND SCIENCE**

**Unanimously Approved and Recommends Approval by the Provost**

Request is made by the Department of Mechanical and Civil Engineering to add a new course **MEE 5631 ADDITIVE MANUFACTURING**.

On a motion by Dr. Subramanian and a second by Dr. Perez, the request made by the Department of Mechanical and Civil Engineering was unanimously approved and recommends approval by the Provost.

(24) **CHANGING GRADUATION REQUIREMENTS—COLLEGE OF ENGINEERING AND SCIENCE**

**Unanimously Approved and Recommends Approval by the Provost**

Request is made by the Department of Mechanical and Civil Engineering for the M.S. in Mechanical Engineering to add **MEE 5631 ADDITIVE MANUFACTURING** to the list of core courses for the Design and Manufacturing specialization and **MEE 5693 Intelligent Optimal Control** to the list of core courses for the Dynamic Systems, Robotics and Controls specialization.

On a motion by Dr. Subramanian and a second by Dr. Wilder, the request made by the Department of Mechanical and Civil Engineering was unanimously approved and recommends approval by the Provost.

(25) **CHANGING GRADUATION REQUIREMENTS—COLLEGE OF ENGINEERING AND SCIENCE**

**Unanimously Approved and Recommends Approval by the Provost**

Request is made by the Department of Mechanical and Civil Engineering for the Graduate Certificate in Energy Systems Engineering to change the assessment to require students to pass a Certificate Final Program Exam.

On a motion by Dr. Wilder and a second by Dr. Bostater, the request made by the Department of Mechanical and Civil Engineering was unanimously approved and recommends approval by the Provost.
At the conclusion of the agenda Dr. Edwards invited comments for the members.

Dr. Bostater asked about some of the completed forms indicating assessment and Dr. Ruane has signed the forms. Dr. Ruane responded when a course is part of a program assessment the course needs to be reviewed by the Academic Program and Assessment Committee (APAC). When that is completed Dr. Ruane signs for the committee. Dr. Ruane reminded the committee the process for submitting the documents and approval by APAC required some lead time (plan on a week to 1.5 weeks before the Graduate Council meeting). If anyone has any questions, please call Dr. Ruane.

The next meeting of Graduate Council is February 18, 2021, with the material due by February 4, 2021.

The meeting was adjourned at 1:43 p.m.

Dr. Carvalho has approved all the recommendations from the Graduate Council.

[Signature]
Raymond F. Bonhomme, Jr.
Associate Vice President of Graduate Programs