



2-12-2020

## 2/12/2020: Faculty Senate Unapproved Meeting Minutes

Faculty Senate

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# Faculty Senate Meeting Minutes

Week 5: February 12, 2020

## Senators

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Susan Farhat (Chem/Biochem)              | <input checked="" type="checkbox"/> Srinivas Chakravarthy (IME)<br><i>Farnaz Ghazi Nezami</i> | <input checked="" type="checkbox"/> Raghu Echempati (ME) |
| <input checked="" type="checkbox"/> Lisandro Hernandez (Chem/Biochem)        | <input checked="" type="checkbox"/> Badrinath Rao (LS)  | <input checked="" type="checkbox"/> Gillian Ryan (PHY)   |
| <input checked="" type="checkbox"/> Yunsheng Wang (CS) <i>Peter Stanchev</i> | <input checked="" type="checkbox"/> Benaiah Yongo-Bure (LS)                                   | <input type="checkbox"/> Joe Salacuse (Math)             |
| <input checked="" type="checkbox"/> Mohammed Torfeh (ECE)                    | <input checked="" type="checkbox"/> Ram Chandran (ME)   | <input checked="" type="checkbox"/> John Grether (SOM)   |
| <input checked="" type="checkbox"/> Jungme Park (ECE)                        | <input checked="" type="checkbox"/> Gianfranco DiGiuseppe (ME)                                |  |

## Officers

- Paul Zang (ME), Moderator
- Mehrdad Zadeh (ECE), Moderator-Elect
- Ron Tackett (PHYS), Senate Secretary
- Jonathan Wenzel (Chem/Biochem),  
Immediate Past Moderator
  
- Erin Bolton (COE), Recording Secretary

## Administration

- James Zhang, Provost
- Kathryn Svinarich, Assoc. Provost & Dean CSLA
- Christine Wallace, VP Kettering
- Craig Hoff, Dean of College of Engineering
  
- Haseeb Ahmed, Interim Dean SOM
- Scott Reeve, Dean of Grad. Sch & Sponsored Rsch

## Guests

Judi Langolf, Babak Elahi, Saroja Kanchi, Mark Woods, Justin Young, Janie Stewart, Dina Mein, Mark Thompson, Laura Allen

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Meeting was called to order at: 12:23pm

### 1. Approval of Minutes from Faculty Senate Meeting 1/22/2020

Discussion led by: Paul Zang  
Minutes approved no changes.  
(11,0,1)

### 2. Old Business: UCC Business

Discussion led by: Justin Young

#### **NC CE 452 - Mark Thompson**

New course that takes the place of an existing Special Topics course that has been offered. Grad level is CE 652 and has been running. Has an engineering focus.

This course will provide introductory theories and technologies in artificial intelligence focusing on machine learning for autonomous driving. Machine learning studies algorithms that learn from large quantities of data, identify patterns and make predictions on a new dataset. Students will study the concepts that underlie intelligent systems and investigate the advanced topics in intelligent systems. The first half of this course will focus on fundamental models and algorithms in intelligent systems. In the second half of the course, students will learn machine learning applications and programming skills by implementing the intelligent systems.

Especially students will learn deep neural networks for identifying and classifying objects (vehicles and pedestrians) using data obtained from automotive sensors.

Approved(13,0,0)

#### **BS/MS Accelerated Masters Program - Scott Reeve**

Proposal involves removing Option 2 from the Accelerated Masters (BS/MS) Program. Option 2 allows students to enter graduate school without having completed all of the BS degree requirements, specifically the undergraduate thesis. Students invoking this option must complete a Masters thesis in order to get both degrees. In other words, the baccalaureate will NOT be conferred until the graduate degree is completed. We would like to eliminate this option and require students complete ALL undergraduate degree requirements prior to beginning a graduate degree program. They will still be able to dual count up to two courses towards both a baccalaureate and graduate degree, however they will now be required to complete all baccalaureate degree requirements prior to becoming a graduate student. Unfortunately, there have been students in the past that entered graduate study under Option 2 and did not finish a Masters thesis. These students left Kettering after 6 years without a single degree.

Approved(14,0,0)

#### **MGMT 419/619 - Haseeb Ahmed**

Change course name from Project and Change Management to Project Management because there is no mention of change management in course description.

Approved (14,0,0)

#### **CS 461/661,641,465/665 - Saroja Kanchi**

CS461/CS661 to be offered as joint Undergraduate/Graduate course (Database Systems).\* This requires a course add for 461 and a course mod for 661.

CS 565, Information Retrieval and Data Mining to CS 465/665. Course description will remain the same.

Approved (14, 0,0)

#### **LS 489 - Babak Elahi**

This change is intended to simplify the prerequisite chain as it currently exists in the catalogue, and to allow students to take senior seminar earlier. Allowing students to take senior seminar earlier resolves two issues: it eases the bottleneck that sometimes happens for scheduling students in their senior year, and provides at least the potential for students to re-take the class if they fail.

Approved(14, 0, 0)

#### **General Degree Requirement Change - Judi Langolf**

Residency Requirements: Complete a minimum of five full-time academic terms on the Kettering University Campus.

In the past three years, the requirement has been waived for three students who were able to complete their degree program without meeting the five full-time academic terms requirement. There are restrictions in place limiting transfer and Guest credit. For students who complete their program requirements in less than five full-time terms, the University would never make the student take additional unnecessary courses to meet this requirement so it should be eliminated as a graduation requirement.

Approved(14,0,0)

### **3. New Business: Faculty Emeritus Proposal**

Discussion led by: Paul Zang

University Policy did not Match Faculty Handbook Policy. Karen Wilkenson did a comparison.

This is a change in the faculty handbook. Must be read once then voted on the next meeting.  
Will be presented next week as old business and vote on it 2/3 vote necessary to make the change.

Discuss adding Dean's to the structure

**4. Future Business: BSE Proposal**

Discussion led by: Justin Young

The Bachelor of Science in General Engineering degree was approved by the Faculty Senate (and HLC) in 2010 but never implemented. This proposal will (a) change the name of the program to simply Bachelor of Science in Engineering and (b) give it a multidisciplinary focus. The initial set of concentration areas will be Manufacturing, Mechatronics, and Robotics. A comparison of the 2010 and proposed program is attached. A proposed catalog description of the program is attached.

This proposal was tabled on Monday at UCC to verify support of the ME Department. Support has been approved. There will be an electronic vote.

This program was fully approved in 2010: HLC, UCC, FS that was never implemented. It has been updated to include concentrations that meet current industry needs.

This proposal is on track to be discussed at Faculty Senate 2/19/2020.

**5. Future Business: Instructional Resources Review**

Discussion led by: Paul Zang

The agenda for 2/19 will be full of UCC Business, so this update may be postponed until March.

**6. Announcements: Best Colleges Ranking**

Discussion led by: James Zhang

Kettering University is No. 1 in Michigan and No. 4 in U.S. as a Best College for Mechanical Engineering based on median salary one year after graduation, according to [gradreports.com](http://gradreports.com). [Story](#)

Adjourned 1:08 PM