Minutes of the Engineering Undergraduate Studies Committee (EUSC)

December 1, 2022

**Present, EUSC:** Idema (DE), Genik (AES), Safferman (BAE), Gates (CEE), Ofoli (CHE), Owen (CSE), Tai (ME), McGough (ECE), Boehlert (MSE, UCC)

**Absent, EUSC:** Yang (CMSE), Stakits (Student), Saripalle (Student)

**Also present:** Fiasky (DE), Pease (DE), R. Lunt (CHE), Recktenwald (ME), Reese (BE)

1. **Agenda:** APPROVED with adjustment to order

2. **Minutes** of November 3, 2022 were APPROVED.

3. The EGR package was APPROVED, changes will be effective FS23. Changes include a pre-req change for EGR 100 to include “MTH 114 or concurrently” and remove WRA. The title of EGR 440 will change from *Engineering Entrepreneurship* to *Science and Engineering Entrepreneurship*. EGR 440 will be crosslisted with NSC 440 and open to students in the College of Natural Science.

4. The ME package was also APPROVED and will be effective FS23. The package includes a new 3 credit course, ME 496 titled *Biomechanical Analysis of Human Movement*. The ME program was updated to include ME 496 in the senior electives and as an option in the Biomedical Concentration. ME 456 *Mechatronics* has also been added to the list of senior and design intensive electives and it has been added to the list of course options in the Aerospace Concentration. The program change also includes clarifying the header language in each concentration.

5. The BE package was also APPROVED and will be effective FS23. A new 1 credit course BE 201, *Drafting in Biosystems Engineering* was approved with edits to the pre-req’s. The BE 334 course change includes changing the pre-requisite by removing BS171 or 172 and adding the WRA requirement. The BE 351 course change included clean-up of the pre-requisite equivalents. BE 485 will include completion of the WRA requirement in the list of pre-requisites. BE 487 has been updated to remove the completion of the WRA requirement and updates the instructional model from Discussion: 0 / Laboratory: 6 to Discussion 2 / Laboratory 2. The academic program has been updated to add CEM 151 as the college admission requirement for the major. BE 201 has been added as a required course replacing CE 274. The Bioenergy and Bioproduct, Biomedical and Ecosystems concentrations have been cleaned up and new courses have been added to allow students more flexibility.

6. R. Ofoli, S. Safferman and M. Stakits will serve on the Green Apple sub-committee.

7. In other business, ESC met on 11/30 with Dr. Idema and expressed significant concern over the use of 3rd party paid software packages that are required by faculty for class. Of primary concern are those that aren’t announced until the first week of class, and those that don’t
seem to be an integral part of the class. Students budget their semesters very carefully, and these last minute charges are challenging. As a college, if we can aim to either reduce the use of these, or at the very least advertise ahead of time in course required textbook section and section notes, it would be helpful. Hope to have ongoing conversation around this with college faculty.

Meeting was adjourned at 10:00 am

Respectfully submitted,

Amanda Idema
Secretary