

## Memorandum

---

TO: Engineering Curriculum Committee  
FROM: Karen Marais  
DATE: March 22, 2019  
RE: Agenda for Meeting #13– Monday, March 25, 2019 in ARMS 3041 at 12:30pm

1. Call to order
2. ECC meeting #12 agenda review and approval.
3. Meeting minutes (ECC #12 3/18/2019) review and approval.
4. Consideration by the ECC for approval on behalf of the faculty the following EFD:
  - EFD 100-19 Update to ECC Process
  - EFD 101-19 ME 19900 How Stuff Works – new undergraduate course
  - EFD 93-19 ENGR 47922 Senior Design Participation in Vertically Integrated Projects II (VIP)– new undergraduate course
  - EFD 92-19 ENGR 47921 Senior Design Participation in Vertically Integrated Projects I (VIP)– new undergraduate course
  - EFD 91-19 ENGR 17912 First-Year Participation in Vertically Integrated Projects II (VIP) – new undergraduate course
  - EFD 90-19 ENGR 17911 17912 First-Year Participation in Vertically Integrated Projects I (VIP) – new undergraduate course
  - EFD 75-19 ENGR 47900 Senior Participation in Vertically Integrated Projects (VIP) – new undergraduate course
  - EFD 74-19 ENGR 37920 Junior Participation in Vertically Integrated Projects (VIP) – new undergraduate course
  - EFD 73-19 ENGR 27920 Sophomore Participation in Vertically Integrated Projects (VIP) – new undergraduate course
  - EFD 72-19 ENGR 17920 First-Year Participation in Vertically Integrated Projects (VIP) – new undergraduate course
  - EFD 89-19 ECE 30412 Electromagnetics II - new undergraduate course
5. Consideration by the ECC for approval to distribute to the faculty the following EFDs:
  - EFD 107-19 ECE POS BSEE 2019 update



- EFD 106-19 ECE POS BSCmpE 2019 Update
6. Consideration by the ECC for approval to distribute to the faculty the following EFDs:
    - EFD 103-19 MSE 56200 Soft Materials - new graduate course
    - EFD 2-19 MSE 67000 Atomistic View of Materials: theory, modeling and simulations - new graduate course
    - EFD 73-18 MSE 58900 Archaeology and Materials - new graduate course
  7. Consideration by the ECC for approval to distribute to the faculty the following EFDs:
    - EFD 84-19 EEE 38000 Environmental Chemodynamics - new undergraduate course
  8. Consideration by the ECC for approval to distribute to the faculty the following EFD:
    - EFD 17-18 CEM 28000 Construction Engineering Professional Development I - change in course description
    - EFD 15-18 CEM 18000 Construction Engineering - Pre-Professional Development - change in course description
    - EFD\_14-18 CEM 45700 Inland Navigation new undergraduate course
  9. Old Business
  10. New business
  11. Adjournment
-

**Engineering Curriculum Committee**

**Minutes of Meeting #12**

**March 18, 2019**

Present: Marais, Midkiff, Kvam, Cherkauer, Nies, Weidner, Bean, Liu, Yuan, Krousgrill

Recorder: Ortiz

1. Meeting was called to order at 12:31 pm in ARMS 3041.
2. Motion to approve the agenda for meeting #12 was approved by consent.
3. Motion to approve the minutes from meeting #11 (3/4/2018) was made by Midkiff and seconded by Weidner. Motion passed unanimously with no abstentions.
4. A motion was made by Midkiff and seconded by Kvam to approve the following EFD on behalf of the faculty.

- a. EFD 95-19 ECE update in prerequisites for multiple courses

Discussion led by Midkiff. Motion passed unanimously.

5. A motion was made by Cherkauer and seconded by Midkiff to approve the following EFDs for distribution to the faculty:
  - a. EFD 108-19 ABE 54000 Principles of Systems & Synthetic Biology- new graduate course
  - b. EFD 69-19 ABE 51500 Molecular Basis of Manufacturing- new graduate course
  - c. EFD 68-19 ABE 51400 Documents and Dialogues of Drug Development and Registration- new graduate course
  - d. EFD 67-19 ABE 51300 Quality Management, Audits, Inspections- new graduate course
  - e. EFD 66-19 ABE 51200 Good Regulatory Practices- new graduate course
  - f. EFD 65-19 ABE 51100 Drug Development- new graduate course

Discussion led by Cherkauer. Motion passed unanimously.

6. A motion was made by Marais and second by Midkiff to approve the following EFD for distribution to the faculty:
  - a. EFD 94-19 GEP Update to the Global Engineering Studies Minor A motion was made by Marais and seconded by Midkiff to approve the following EFD for distribution to the faculty:

Discussion led by Marais. Motion passed unanimously with no abstentions.

7. A motion was made by Midkiff and second by Krousgrill to return the EFDs below from the table. Motion passed unanimously.

- a. A motion was made by Midkiff and second by Bean to approve the following EFD for distribution to the faculty

- i. EFD 96-19 ECE 20875 Python for Data Science - new undergraduate course

Discussion led by Midkiff. Motion passed unanimously with no abstentions.

b. A motion was made by Midkiff and second by Kousgrill to approve the following EFD for distribution to the faculty

i. EFD 88-19 ECE 30411 Electromagnetics I - new undergraduate course

Discussion led by Midkiff. Motion passed unanimously with no abstentions.

c. A motion was made by Midkiff and second by Bean to approve the following EFD for distribution to the faculty

i. EFD 54-19 ECE 30200 Probabilistic Methods in Electrical and Computer Engineering – change in course description

Discussion led by Midkiff. Motion passed unanimously with no abstentions.

8. A motion was made by Midkiff and second by Yuan to approve the following EFDs for distribution to the faculty:

a. EFD 53-19 ECE 39600 Industrial Practice Seminar I – change in requisites

Motion to table was made by Kvam and seconded by Weidner

9. A motion was made by Midkiff and second by Bean to approve the following EFD for distribution to the faculty

a. EFD 30-18 ECE 49600 Operating Systems Engineering- change in requisites

Motion to Fast-Track was made by Kvam and seconded by Midkiff.

10. A motion was made by Midkiff and seconded by Cherkauer to approve the following EFDs as a group on behalf of the faculty:

a. EFD 86-19 ECE 39401 Professional Communication and Diversity – new undergraduate course

b. EFD 85-19 29401 ECE Electrical and Computer Engineering Sophomore Seminar - new undergraduate course

c. EFD 87-19 ECE 49401 Professional Communication Capstone – new undergraduate course

d. EFD 58-19 ECE 20008 Electrical Engineering Fundamentals II Lab - new undergraduate course

e. EFD 57-19 ECE 20002 Electrical Engineering Fundamentals II - new undergraduate course

f. EFD 56-19 ECE 20007 Electrical Engineering Fundamentals I Lab - new undergraduate course

g. EFD 55-19 ECE 20001 Electrical Engineering Fundamentals I - new undergraduate course

h. EFD 79-19 AAE 35200 Structural Analysis – change in requisites

i. EFD 82-19 AAE 51700 Unsteady Aerodynamics - expire

j. EFD 81-19 AAE 54700 & 59900 Experimental Stress Analysis and The Mechanics of Friction and Wear – expire

k. EFD 80-19 AAE 19000 Introduction to Aerospace Engineering - expire

11. Old Business

12. Motion to adjourn was made by Kvam and seconded by Weidner. The meeting adjourned at 12:56pm.