

## Memorandum

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TO: Engineering Curriculum Committee  
FROM: Karen Marais  
DATE: August 26, 2021  
RE: Agenda for Meeting #1 – August online at Microsoft Teams at 12:30 pm EDT

Teams Link: <https://tinyurl.com/PurdueECC>

1. ECC meeting #1 agenda review and approval.
2. Meeting minutes (ECC #22 5/3/2021) review and approval.
3. Introductions—new and old members
4. ECC Process, including EFD100-19
5. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
  - EFD 04-22 ME 62000 Combustion of Energetic Materials – new graduate course
6. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
  - EFD 05-22 ME 61700 Applied Thermal Physics and Molecular Spectroscopy – new graduate course
7. Old Business:
  - Tabled EFDs
    - i. EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration
    - ii. EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate concentration
    - iii. EFD 51-21 CHE 56300 Advanced Solar Energy Conversion– new graduate course
    - iv. EFD 12-21 CEM Concentration in IDE MS
    - v. EFD 27-20 FYE Curriculum Update
  - Flagged EFDs
    - i. EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course
    - ii. EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course
    - iii. EFD 90-21 CEM 58600 Development of Underground Space – new graduate course
    - iv. EFD 91-21 CEM 58500 Temporary Structures – new graduate course
8. New business
9. Adjournment

**Memorandum**

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TO: Engineering Curriculum Committee  
FROM: Karen Marais  
DATE: September 10, 2021  
RE: Agenda for Meeting #2 – September 13 online at Microsoft Teams at 12:30 pm EDT

Teams Link: <https://tinyurl.com/PurdueECC>

1. ECC meeting #2 agenda review and approval.
2. Meeting minutes (ECC #1 8/30/2021) review and approval.
3. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - EFD 06-20 BME Grad Certificate in Regulatory Affairs and Regulatory Science for Medical Devices – new graduate concentration
4. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course
5. Old Business:
  - Tabled EFDs
    - i. EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate concentration
    - ii. EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration
    - iii. EFD 51-21 CHE 56300 Advanced Solar Energy Conversion– new graduate course
    - iv. EFD 12-21 CEM Concentration in IDE MS
    - v. EFD 31-20 MSE 33500 Materials Characterization Lab and MSE 36700 Materials Processing Lab – change in prerequisites (Fast Track)
    - vi. EFD 27-20 FYE Curriculum Update
    - vii. EFD 01-20 GEP 29700 Research and Design for Global Engineering Grand Challenges – new undergraduate course
    - viii. EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course
    - ix. EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course
  - Flagged EFDs
    - i. EFD 91-21 CEM 58500 Temporary Structures – new graduate course
    - ii. EFD 90-21 CEM 58600 Development of Underground Space – new graduate course

- iii. EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course
- iv. EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course

6. New business

7. Adjournment

**Memorandum**

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TO: Engineering Curriculum Committee  
FROM: Karen Marais  
DATE: September 17, 2021  
RE: Agenda for Meeting #3 – September 20 online at Microsoft Teams at 12:30 pm EDT

Teams Link: <https://tinyurl.com/PurdueECC>

Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]

1. ECC meeting #3 agenda review and approval.
2. Meeting minutes (ECC #2 09/13/21) review and approval.
3. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - EFD 07-22 ECE 51216 Digital Systems Design Automation – new graduate course
4. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - EFD 08-22 ECE 51220 Applied Algorithms – new graduate course
5. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - EFD 09-22 ECE 60827 Programmable Accelerator Architectures – new graduate course
6. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - EFD 10-22 ECE 50631 Fundamentals of Current Flow – new graduate course
7. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - EFD 11-22 ECE 50632 Introduction to Quantum Transport – new graduate course
8. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - EFD 12-22 ECE 50633 Boltzmann Law: Physics to Computing – new graduate course
9. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - EFD 13-22 ECE 61010 Time Domain Simulation and Optimization for Design – new graduate course
10. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - EFD 14-22 ECE 50024 Machine Learning – new graduate course
11. Old Business:
  - Tabled EFDs
    - i. EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate concentration

- ii. EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration
- iii. EFD 51-21 CHE 56300 Advanced Solar Energy Conversion– new graduate course
- iv. EFD 12-21 CEM Concentration in IDE MS
  - v. EFD 31-20 MSE 33500 Materials Characterization Lab and MSE 36700 Materials Processing Lab – change in requisites (Fast Track)
  - vi. EFD 27-20 FYE Curriculum Update
  - vii. EFD 01-20 GEP 29700 Research and Design for Global Engineering Grand Challenges – new undergraduate course
  - viii. EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course
  - ix. EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course
- Flagged EFDs
  - i. EFD 91-21 CEM 58500 Temporary Structures – new graduate course
  - ii. EFD 90-21 CEM 58600 Development of Underground Space – new graduate course
  - iii. EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course
  - iv. EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course

12. New business

13. Adjournment

**Memorandum**

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TO: Engineering Curriculum Committee  
FROM: Karen Marais  
DATE: September 24, 2021  
RE: Agenda for Meeting #4 – September 27 online at Microsoft Teams at 12:30 pm EDT

Teams Link: <https://tinyurl.com/PurdueECC>

Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]

1. ECC meeting #4 agenda review and approval.
2. Meeting minutes (ECC #3 09/20/21) review and approval.
3. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - EFD 16-22 MSE 51800 Failure Analysis – new graduate course
4. Old Business:
  - Tabled EFDs
    - i. EFD 14-22 ECE 50024 Machine Learning – new graduate course
    - ii. EFD 13-22 ECE 61010 Time Domain Simulation and Optimization for Design – new graduate course
    - iii. EFD 12-22 ECE 50633 Boltzmann Law: Physics to Computing – new graduate course
    - iv. EFD 11-22 ECE 50632 Introduction to Quantum Transport – new graduate course
    - v. EFD 10-22 ECE 50631 Fundamentals of Current Flow – new graduate course
    - vi. EFD 09-22 ECE 60827 Programmable Accelerator Architectures – new graduate course
    - vii. EFD 08-22 ECE 51220 Applied Algorithms – new graduate course
    - viii. EFD 07-22 ECE 51216 Digital Systems Design Automation – new graduate course
    - ix. EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate concentration
    - x. EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration
    - xi. EFD 51-21 CHE 56300 Advanced Solar Energy Conversion– new graduate course
    - xii. EFD 12-21 CEM Concentration in IDE MS
    - xiii. EFD 31-20 MSE 33500 Materials Characterization Lab and MSE 36700 Materials Processing Lab – change in requisites (Fast Track)
    - xiv. EFD 27-20 FYE Curriculum Update

- xv. EFD 01-20 GEP 29700 Research and Design for Global Engineering Grand Challenges – new undergraduate course
- xvi. EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course
- xvii. EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course
- Flagged EFDs
  - i. EFD 91-21 CEM 58500 Temporary Structures – new graduate course
  - ii. EFD 90-21 CEM 58600 Development of Underground Space – new graduate course
  - iii. EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course
  - iv. EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course
  - v. EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course
  - vi. EFD 73-21 CHE 50100 Medical Devices – new graduate course
- 5. New business
- 6. Adjournment

## Engineering Curriculum Committee Agenda

**Meeting:** #5  
**Date:** October 4, 2021  
**Time:** 12:30 pm EDT  
**Location:** Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
**Chair:** Sarah McMillan, standing in for Karen Marais

1. ECC meeting #5 agenda review and approval.
2. ECC meeting minutes ([ECC #4 09/27/21](#)) review and approval.
3. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
  - 3.1. [EFD 06-20 BME Grad Certificate in Regulatory Affairs and Regulatory Science for Medical Devices – new graduate concentration](#)
4. Consideration by the ECC for approval for distribution to the faculty the following EFD:
  - 4.1. [EFD 06-22 EEE 47200 Community-Based Engineering and Design – new undergraduate course](#)
5. **Old Business**
  - 5.1. **Tabled EFDs**
    - 5.1.1. [EFD 01-20 GEP 29700 Research and Design for Global Engineering Grand Challenges – new undergraduate course](#)
    - 5.1.2. [EFD 12-21 CEM Concentration in IDE MS](#)
    - 5.1.3. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)



- 5.1.4. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration](#)
- 5.1.5. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 5.1.6. [EFD 07-22 ECE 51216 Digital Systems Design Automation – new graduate course](#)
- 5.1.7. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 5.1.8. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)
- 5.1.9. [EFD 10-22 ECE 50631 Fundamentals of Current Flow – new graduate course \(Addendum\)](#)
- 5.1.10. [EFD 11-22 ECE 50632 Introduction to Quantum Transport – new graduate course \(Addendum\)](#)
- 5.1.11. [EFD 12-22 ECE 50633 Boltzmann Law: Physics to Computing – new graduate course \(Addendum\)](#)
- 5.1.12. [EFD 14-22 ECE 50024 Machine Learning – new graduate course \(Addendum\)](#)

## 5.2. Flagged EFDs

- 5.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 5.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 5.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)
- 5.2.4. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)

5.2.5. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)

5.2.6. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)

5.2.7. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)

**6. New Business**

**7. Adjournment**

## Engineering Curriculum Committee Agenda

Meeting: #6  
Date: October 18, 2021  
Time: 12:30 pm EDT  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
Chair: Karen Marais

1. ECC meeting #6 agenda review and approval.
2. ECC meeting minutes ([ECC #5 10/04/21](#)) review and approval.
3. Discussion on potential additional ex officio member of the ECC.
4. Consideration by the ECC for *final approval* on behalf of the faculty of the following EFDs:
  - 4.1. [EFD 06-22 EEE 47200 Community-Engaged Engineering & Design – new undergraduate course](#)
  - 4.2. [EFD 08-22 ECE 51220 Applied Algorithms – new graduate course](#)
  - 4.3. [EFD 09-22 ECE 60827 Programmable Accelerator Architectures – new graduate course](#)
  - 4.4. [EFD 10-22 ECE 50631 Fundamentals of Current Flow – new graduate course](#)
  - 4.5. [EFD 11-22 ECE 50632 Introduction to Quantum Transport – new graduate course](#)
  - 4.6. [EFD 12-22 ECE 50633 Boltzmann Law: Physics to Computing – new graduate course](#)
  - 4.7. [EFD 13-22 ECE 61010 Time Domain Simulation and Optimization for Design – new graduate course](#)
  - 4.8. [EFD 14-22 ECE 50024 Machine Learning – new graduate course](#)

4.9. [EFD 16-22 MSE 51800 Failure Analysis – new graduate course](#)

## 5. Old Business

### 5.1. Tabled EFDs

5.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)

5.1.2. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)

5.1.3. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration](#)

5.1.4. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)

5.1.5. [EFD 07-22 ECE 51216 Digital Systems Design Automation – new graduate course](#)

5.1.6. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)

5.1.7. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

### 5.2. Flagged EFDs

5.2.1. [EFD 27-20 FYE Curriculum Update](#)

5.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)

5.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

5.2.4. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)

5.2.5. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)

5.2.6. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)

5.2.7. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)

**6. New Business**

**7. Adjournment**

## Engineering Curriculum Committee Agenda

**Meeting:** #7  
**Date:** November 1, 2021  
**Time:** 12:30 pm EDT  
**Location:** Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
**Chair:** Karen Marais

1. ECC meeting #7 agenda review and approval.
2. ECC meeting minutes ([ECC #6 10/18/21](#)) review and approval.
3. Consideration by the ECC for *approval for distribution to the faculty* the following EFD:
  - 3.1. [EFD 33-22 ECE 60146 Deep Learning – Theory and Practice of Deep Neural Networks – new graduate course](#)
4. Consideration by the ECC for *fast-track approval* the following EFD:
  - 4.1. [EFD 34-22 ECE 51032 Computational Methods for Power System Analysis – change in course number, course description, learning objectives, and prerequisites](#)
5. Discussion regarding update on ECC process EDF.
6. **Old Business**
  - 6.1. **Tabled EFDs**
    - 6.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
    - 6.1.2. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
    - 6.1.3. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master’s Program – new graduate concentration](#)

- 6.1.4. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 6.1.5. [EFD 07-22 ECE 51216 Digital Systems Design Automation – new graduate course](#)
- 6.1.6. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 6.1.7. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

## 6.2. Flagged EFDs

- 6.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 6.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 6.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)
- 6.2.4. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
- 6.2.5. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 6.2.6. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 6.2.7. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)

## 7. New Business

## 8. Adjournment

## Engineering Curriculum Committee Agenda

**Meeting:** #8  
**Date:** November 8, 2021  
**Time:** 12:30 pm EDT  
**Location:** Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
**Chair:** Karen Marais

1. ECC meeting #8 agenda review and approval.
2. ECC meeting minutes (ECC #7 11/01/21) review and approval.
3. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 3.1. [EFD 19-22 BME 21400 Introduction to Biomechanical Analysis – new undergraduate course](#)
  - 3.2. [EFD 22-22 BME 20700 Circuit Theory Instrumentation – new undergraduate course](#)
  - 3.3. [EFD 23-22 BME 38000 Professionalism in BME – new undergraduate course](#)
  - 3.4. [EFD 24-22 BME 38900 Junior Design Lab – new undergraduate course](#)
  - 3.5. [EFD 25-22 BME 36000 Intro to Bioimaging – new undergraduate course](#)
  - 3.6. [EFD 26-22 BME 35600 Mathematical Models and Methods in Physiology – new undergraduate course](#)
  - 3.7. [EFD 27-22 BME 36600 Foundations of Data Science in BME – new undergraduate course](#)
  - 3.8. [EFD 28-22 BME 31400 Experimental Methods in Biomechanics – new undergraduate course](#)



3.9. [EFD 35-22 BME Curriculum Change for the B.S. Degree in Biomedical Engineering – change in undergraduate curriculum](#)

4. Review proposed changes to ECC composition EFD.

**5. Old Business**

**5.1. Tabled EFDs**

5.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)

5.1.2. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)

5.1.3. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration](#)

5.1.4. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)

5.1.5. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)

5.1.6. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

**5.2. Flagged EFDs**

5.2.1. [EFD 27-20 FYE Curriculum Update](#)

5.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)

5.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

5.2.4. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)

5.2.5. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)

5.2.6. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)

5.2.7. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)

**6. New Business**

**7. Adjournment**

## Engineering Curriculum Committee Agenda

Meeting: #9  
Date: November 15, 2021  
Time: 12:30 pm EDT  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
Chair: Karen Marais

1. ECC meeting #9 agenda review and approval.
2. ECC meeting minutes ([ECC #8 11/08/21](#)) review and approval.
3. Consideration by the ECC for *final approval* on behalf of the faculty of the following EFD:
  - 3.1. [EFD 33-22 ECE 60146 Deep Learning – Theory and Practice of Deep Neural Networks – new graduate course](#)
4. Consideration by the ECC for *approval for distribution to the faculty* the following EFD:
  - 4.1. [EFD 42-22 Composition of the Engineering Curriculum Committee – update to ECC & EFD process](#)
5. Consideration by the ECC for *fast-track approval* the following EFD:
  - 5.1. [EFD 41-22 AAE 25100 Introduction to Aerospace Design – change in prerequisites and minimum grade requirement](#)
6. Old Business
  - 6.1. Tabled EFDs
    - 6.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
    - 6.1.2. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)

- 6.1.3. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration](#)
- 6.1.4. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 6.1.5. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 6.1.6. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

## 6.2. Flagged EFDs

- 6.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 6.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 6.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)
- 6.2.4. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
- 6.2.5. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 6.2.6. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 6.2.7. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)

## 7. New Business

## 8. Adjournment

## Engineering Curriculum Committee Agenda

**Meeting:** #10  
**Date:** November 22, 2021  
**Time:** 12:30 pm EDT  
**Location:** Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
**Chair:** Karen Marais

1. ECC meeting #10 agenda review and approval.
2. ECC meeting minutes ([ECC #9 11/15/21](#)) review and approval.
3. Consideration by the ECC for *final approval* on behalf of the faculty of the following EFDs:
  - 3.1. [EFD 19-22 BME 21400 Introduction to Biomechanical Analysis – new undergraduate course](#)
  - 3.2. [EFD 22-22 BME 20700 Circuit Theory Instrumentation – new undergraduate course](#)
  - 3.3. [EFD 23-22 BME 38000 Professionalism in BME – new undergraduate course](#)
  - 3.4. [EFD 24-22 BME 38900 Junior Design Lab – new undergraduate course](#)
  - 3.5. [EFD 25-22 BME 36000 Intro to Bioimaging – new undergraduate course](#)
  - 3.6. [EFD 26-22 BME 35600 Mathematical Models and Methods in Physiology – new undergraduate course](#)
  - 3.7. [EFD 27-22 BME 36600 Foundations of Data Science in BME – new undergraduate course](#)
  - 3.8. [EFD 28-22 BME 31400 Experimental Methods in Biomechanics – new undergraduate course](#)

- 3.9. [EFD 35-22 BME Curriculum Change for the B.S. Degree in Biomedical Engineering – change in undergraduate curriculum](#)
4. Consideration by the ECC for *approval for distribution to the faculty* the following EFD:
  - 4.1. [EFD 32-22 Concentration in Microelectronics and Advanced Semiconductors – new graduate concentration](#)
5. Consideration by the ECC for *fast-track approval* of the following EFD:
  - 5.1. [EFD 18-22 ENGR 39697 Industry Projects – change in repeatable status](#)
6. **Old Business**
  - 6.1. **Tabled EFDs**
    - 6.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
    - 6.1.2. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
    - 6.1.3. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master’s Program – new graduate concentration](#)
    - 6.1.4. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
    - 6.1.5. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
    - 6.1.6. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)
  - 6.2. **Flagged EFDs**
    - 6.2.1. [EFD 27-20 FYE Curriculum Update](#)
    - 6.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)

- 6.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)
- 6.2.4. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
- 6.2.5. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 6.2.6. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 6.2.7. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)

**7. New Business**

**8. Adjournment**

## Engineering Curriculum Committee Agenda

**Meeting:** #11  
**Date:** December 6, 2021  
**Time:** 12:30 pm EDT  
**Location:** Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
**Chair:** Karen Marais

1. ECC meeting #11 agenda review and approval.
2. ECC meeting minutes ([ECC #10 11/22/21](#)) review and approval.
3. Consideration by the ECC for *final approval* on behalf of the faculty of the following EFDs:
  - 3.1. [EFD 32-22 Concentration in Microelectronics and Advanced Semiconductors – new graduate concentration](#)
4. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 4.1. [EFD 50-22 BME 51500 Practical MRI and Applications – new graduate course](#)
  - 4.2. [EFD 51-22 BME Online Master’s in Biomedical Engineering – adding online delivery to existing degree](#)
5. Consideration by the ECC for *fast-track approval* of the following EFDs:
  - 5.1. [EFD 52-22 BME 20500 Biomolecular and Cellular Systems Laboratory – change in requisites and offering structure](#)
  - 5.2. [EFD 53-22 BME 20600 Biotransport Laboratory – change in requisites and offering structure](#)
  - 5.3. [EFD 54-22 BME 30100 Bioelectricity – change in requisites](#)



5.4. [EFD 55-22 BME 39000 Professional Development and Design in Biomedical Engineering – change in prerequisites](#)

5.5. [EFD 56-22 BME 48901 Senior Design Project – change in prerequisites](#)

## 6. Old Business

### 6.1. Tabled EFDs

6.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)

6.1.2. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)

6.1.3. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration](#)

6.1.4. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)

6.1.5. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)

6.1.6. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

### 6.2. Flagged EFDs

6.2.1. [EFD 27-20 FYE Curriculum Update](#)

6.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)

6.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

6.2.4. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)

6.2.5. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)

- 6.2.6. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 6.2.7. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
- 6.2.8. [EFD 42-22 Composition of the Engineering Curriculum Committee – update to ECC and EFD process](#)

**7. New Business**

**8. Adjournment**

## Engineering Curriculum Committee Agenda

Meeting: #12  
Date: January 10, 2022  
Time: 12:30 pm EDT  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
Chair: Karen Marais

1. ECC meeting #12 agenda review and approval.
2. ECC meeting minutes ([ECC #11 12/06/21](#)) review and approval.
3. Consideration by the ECC for *final approval* on behalf of the faculty of the following EFD:
  - 3.1. [EFD 50-22 BME 51500 Practical MRI and Applications – new graduate course](#)
4. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 4.1. [EFD 36-22 ECE Minor in Artificial Intelligence and Machine Learning – new undergraduate minor](#)
  - 4.2. [EFD 60-22 ME 30900 Fluid Mechanics – deletion of course](#)
5. Consideration by the ECC for *fast-track approval* of the following EFDs:
  - 5.1. [EFD 57-22 ME 20000 Thermodynamics I – change in prerequisites](#)
  - 5.2. [EFD 58-22 ME 26300 Introduction to Mechanical Engineering Design, Innovation and Entrepreneurship – change in prerequisites](#)
  - 5.3. [EFD 59-22 ME 27000 Basic Mechanics – change in prerequisites](#)
6. Old Business
  - 6.1. Tabled EFDs

- 6.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
- 6.1.2. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 6.1.3. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration](#)
- 6.1.4. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 6.1.5. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 6.1.6. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

## 6.2. Flagged EFDs

- 6.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 6.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 6.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)
- 6.2.4. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
- 6.2.5. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 6.2.6. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 6.2.7. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
- 6.2.8. [EFD 42-22 Composition of the Engineering Curriculum Committee – update to ECC and EFD process](#)

7. New Business

8. Adjournment

## Engineering Curriculum Committee Agenda

Meeting: #13  
Date: January 24, 2022  
Time: 12:30 pm EDT  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
Chair: Karen Marais

1. ECC meeting #13 agenda review and approval.
2. ECC meeting minutes ([ECC #12 01/10/22](#)) review and approval.
3. Consideration by the ECC for *final approval* on behalf of the faculty of the following EFD:
  - 3.1. [EFD 36-22 ECE Minor in Artificial Intelligence and Machine Learning – new undergraduate minor](#)
  - 3.2. [EFD 60-22 ME 30900 Fluid Mechanics – deletion of course](#)
4. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 4.1. [EFD 37-22 ECE Electric Power and Energy Systems Concentration - new undergraduate concentration](#)
  - 4.2. [EFD 38-22 ECE Automatic Control Concentration - new undergraduate concentration](#)
  - 4.3. [EFD 39-22 ECE Artificial Intelligence and Machine Learning Concentration for BSEE - new undergraduate concentration](#)
  - 4.4. [EFD 40-22 ECE Quantum Technology Concentration - new undergraduate concentration](#)
  - 4.5. [EFD 43-22 ECE Computer Systems Concentration - new undergraduate concentration](#)

- 4.6. [EFD 44-22 ECE Software Engineering Concentration - new undergraduate concentration](#)
- 4.7. [EFD 61-22 ECE Artificial Intelligence and Machine Learning Concentration for BSCmpE - new undergraduate concentration](#)

## 5. Old Business

### 5.1. Tabled EFDs

- 5.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
- 5.1.2. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 5.1.3. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master’s Program – new graduate concentration](#)
- 5.1.4. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 5.1.5. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 5.1.6. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)
- 5.1.7. [EFD 58-22 ME 26300 Introduction to Mechanical Engineering Design, Innovation and Entrepreneurship – change in prerequisites](#)

### 5.2. Flagged EFDs

- 5.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 5.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 5.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

- 5.2.4. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
- 5.2.5. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 5.2.6. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 5.2.7. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)

**6. New Business**

**7. Adjournment**



## Engineering Curriculum Committee Agenda

Meeting: #14  
Date: January 31, 2022  
Chair: Karen Marais

### Open Session

Time: 12:30 pm EDT  
Location: <https://purdue-edu.zoom.us/j/95505426378>  
Meeting ID: 955 0542 6378  
Passcode: 754972

1. Call to order.
2. Discussion of flagged EFDs:
  - 2.1. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
  - 2.2. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
  - 2.3. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
  - 2.4. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
3. Adjourn open session.

### Closed Session

Time: immediately following conclusion of open session  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]

4. ECC meeting #14 agenda review and approval.
5. ECC meeting minutes ([ECC #13 01/24/22](#)) review and approval.

6. Consideration by the ECC for *final approval* on behalf of the faculty of the following EFDs:
  - 6.1. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
  - 6.2. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
  - 6.3. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
  - 6.4. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
  
7. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 7.1. [EFD 39-22 ECE Artificial Intelligence and Machine Learning Concentration for BSEE - new undergraduate concentration](#)
  - 7.2. [EFD 43-22 ECE Computer Systems Concentration - new undergraduate concentration](#)
  - 7.3. [EFD 44-22 ECE Software Engineering Concentration - new undergraduate concentration](#)
  - 7.4. [EFD 61-22 ECE Artificial Intelligence and Machine Learning Concentration for BSCmpE - new undergraduate concentration](#)
  - 7.5. [EFD 62-22 ME 32301 Mechanics of Materials Laboratory – new undergraduate course](#)
  - 7.6. [EFD 12-21 CEM Concentration in IDE MS](#)
  
8. **Old Business**
  - 8.1. **Tabled EFDs**

- 8.1.1. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 8.1.2. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration](#)
- 8.1.3. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 8.1.4. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 8.1.5. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

## 8.2. Flagged EFDs

- 8.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 8.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 8.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

## 9. New Business

## 10. Adjournment

## Engineering Curriculum Committee Agenda

Meeting: #15  
Date: February 7, 2022  
Time: 12:30 pm EST  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
Chair: Karen Marais

1. ECC meeting #15 agenda review and approval.
2. ECC meeting minutes ([ECC #13 01/24/22](#)) review and approval.
3. ECC meeting minutes ([ECC #14 01/31/22](#)) review and approval.
4. Consideration by the ECC for *fast-track approval* the following EFD:
  - 4.1. [EFD 47-22 ECE 42300 Electromechanical Motion Control – change in course number and prerequisites](#)
5. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 5.1. [EFD 45-22 ECE 36900 Discrete Math for Computer Engineering – change in course number and prerequisites](#)
  - 5.2. [EFD 48-22 ECE 43300 Power Electronics – change in course number and prerequisites](#)
6. Old Business
  - 6.1. Tabled EFDs
    - 6.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
    - 6.1.2. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)

- 6.1.3. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 6.1.4. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 6.1.5. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
- 6.1.6. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 6.1.7. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master’s Program – new graduate concentration](#)
- 6.1.8. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 6.1.9. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 6.1.10. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

## **6.2. Flagged EFDs**

- 6.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 6.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 6.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

## **7. New Business**

## **8. Adjournment**

## Engineering Curriculum Committee Agenda

Meeting: #16  
Date: February 14, 2022  
Time: 12:30 pm EST  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
Chair: Karen Marais

1. ECC meeting #16 agenda review and approval.
2. ECC meeting minutes ([ECC #15 02/07/22](#)) review and approval.
3. Consideration by the ECC for *final approval on behalf of the faculty* the following EFDs:
  - 3.1. [EFD 37-22 ECE Electrical Power and Energy Systems Concentration – new undergraduate concentration](#)
  - 3.2. [EFD 38-22 ECE Automatic Control Concentration – new undergraduate concentration](#)
  - 3.3. [EFD 39-22 ECE Artificial Intelligence and Machine Learning Concentration for BSEE – new undergraduate concentration](#)
  - 3.4. [EFD 40-22 ECE Quantum Technology Concentration – new undergraduate concentration](#)
  - 3.5. [EFD 43-22 ECE Computer Systems Concentration – new undergraduate concentration](#)
  - 3.6. [EFD 44-22 ECE Software Engineering Concentration – new undergraduate concentration](#)
  - 3.7. [EFD 61-22 ECE Artificial Intelligence and Machine Learning Concentration for BSCmpE – new undergraduate concentration](#)

- 3.8. [EFD 62-22 ME 32301 Mechanics of Materials Laboratory – new undergraduate course](#)
4. Consideration by the ECC for *fast-track approval* the following EFD:
  - 4.1. [EFD 64-22 CHE 20500 Chemical Engineering Calculations – change in prerequisites](#)
  - 4.2. [EFD 65-22 CHE 32000 Statistical Modeling and Quality Enhancement – change in prerequisites](#)
  - 4.3. [EFD 66-22 CHE 30000 Chemical Engineering Seminar – change in prerequisites](#)
  - 4.4. [EFD 67-22 CHE 40000 Chemical Engineering Seminar – change in prerequisites](#)
5. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 5.1. [EFD 46-22 ECE 46100 Software Engineering – change in course level, number, prerequisites, and learning outcomes](#)
  - 5.2. [EFD 49-22 ECE 36400 Software Engineering Tools – change in course number, prerequisites, description, and outcomes](#)
  - 5.3. [EFD 70-22 ECE Microelectronics and Semiconductors Minor – new undergraduate minor](#)
6. **Old Business**
  - 6.1. **Tabled EFDs**
    - 6.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
    - 6.1.2. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
    - 6.1.3. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)

- 6.1.4. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 6.1.5. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
- 6.1.6. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 6.1.7. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master’s Program – new graduate concentration](#)
- 6.1.8. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 6.1.9. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 6.1.10. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

## **6.2. Flagged EFDs**

- 6.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 6.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 6.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

## **7. New Business**

## **8. Adjournment**



## Engineering Curriculum Committee Agenda

Meeting: #17  
Date: February 28, 2022  
Time: 12:30 pm EST  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
Chair: Mary Comer, standing in for Karen Marais

1. ECC meeting #17 agenda review and approval.
2. ECC meeting minutes ([ECC #16 02/14/22](#)) review and approval.
3. For the record: ECC [voted virtually](#) on Monday, February 21 to approve the following EFDs on behalf of the faculty:
  - 3.1. [EFD 45-22 ECE 36900 Discrete Math for Computer Engineering – change in course number and prerequisites](#)
  - 3.2. [EFD 48-22 ECE 43300 Power Electronics – change in course number and prerequisites](#)
4. Consideration by the ECC for *final approval on behalf of the faculty* the following EFDs:
  - 4.1. [EFD 46-22 ECE 46100 Software Engineering – change in course level, number, prerequisites, and learning outcomes](#)
  - 4.2. [EFD 49-22 ECE 36400 Software Engineering Tools – change in course number, prerequisites, description, and learning outcomes](#)
  - 4.3. [EFD 70-22 ECE Microelectronics and Semiconductors Minor – new undergraduate minor](#)
5. Consideration by the ECC for *fast-track approval* the following EFDs:
  - 5.1. [EFD 46-22 ECE 46100 Software Engineering – revised prerequisite \(link to revised document\)](#)

- 5.2. [EFD 73-22 ECE 43800 Digital Signal Processing and Applications – change in prerequisites](#)
- 5.3. [EFD 68-22 MSE 38200 Mechanical Response of Materials – change in prerequisites](#)
- 5.4. [EFD 69-22 MSE 500-level Technical Electives – change in prerequisites](#)
6. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 6.1. [EFD 72-22 ABE 44400 Design and Advanced Processes and Internal Combustion Engines – new undergraduate course](#)
  - 6.2. [EFD 76-22 ABE 50501 Particle, Powder, and Compact Characterization – new graduate course](#)
  - 6.3. [EFD 77-22 ABE 50502 Particle, Powder, and Compact Characterization Laboratory – new graduate course](#)
  - 6.4. [EFD 63-22 ECE 40875 Data Mining Concepts and Techniques – new undergraduate course](#)
  - 6.5. [EFD 71-22 ECE Wireless and Optical Engineering Concentration – new undergraduate concentration](#)
  - 6.6. [EFD 74-22 ECE 46300 Introduction to Computer Communication Networks – change in course number, prerequisites, description, learning outcomes, and credits](#)

## 7. Old Business

### 7.1. Tabled EFDs

- 7.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
- 7.1.2. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)

- 7.1.3. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 7.1.4. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 7.1.5. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
- 7.1.6. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 7.1.7. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master’s Program – new graduate concentration](#)
- 7.1.8. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 7.1.9. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 7.1.10. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

## **7.2. Flagged EFDs**

- 7.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 7.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 7.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

## **8. New Business**

## **9. Adjournment**

## Engineering Curriculum Committee Agenda

**Meeting:** #18  
**Date:** March 7, 2022  
**Time:** 12:30 pm EST  
**Location:** Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
**Chair:** Karen Marais

1. ECC meeting #18 agenda review and approval.
2. ECC meeting minutes ([ECC #17 02/28/22](#)) review and approval.
3. Consideration by the ECC for *fast-track approval* the following EFD:
  - 3.1. [EFD 75-22 ECE 44000 Transmission of Information – change in prerequisites](#)
4. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 4.1. [EFD 74-22 ECE 46300 Introduction to Computer Communication Networks – change in course number, prerequisites, description, learning outcomes, and credits](#)
  - 4.2. [EFD 78-22 ECE Microelectronics and Semiconductors Concentration for BSEE – new undergraduate concentration](#)
  - 4.3. [EFD 79-22 ECE Microelectronics and Semiconductors Concentration for BSCmpE – new undergraduate concentration](#)
  - 4.4. [EFD 81-22 ME BS in Mechanical Engineering – change in degree requirements](#)
  - 4.5. [EFD 82-22 VIP 17910 First-Year Participation in VIP Limited – new undergraduate course](#)
  - 4.6. [EFD 83-22 VIP 27910 Sophomore Participation in VIP Limited – new undergraduate course](#)

- 4.7. [EFD 84-22 VIP 37910 Junior Participation in VIP Limited – new undergraduate course](#)
- 4.8. [EFD 85-22 VIP 47910 Senior Participation in VIP Limited – new undergraduate course](#)
- 4.9. [EFD 86-22 VIP 27930 Sophomore Participation in VIP Extended – new undergraduate course](#)

## 5. Old Business

### 5.1. Tabled EFDs

- 5.1.1. [EFD 72-22 ABE 44400 Design and Advanced Manufacturing Processes for Internal Combustion Engines – new undergraduate course](#)
- 5.1.2. [EFD 12-21 CEM Concentration in IDE MS](#)
- 5.1.3. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
- 5.1.4. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 5.1.5. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 5.1.6. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
- 5.1.7. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 5.1.8. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration](#)
- 5.1.9. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 5.1.10. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)

5.1.11. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

**5.2. Flagged EFDs**

5.2.1. [EFD 27-20 FYE Curriculum Update](#)

5.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)

5.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

**6. New Business**

**7. Adjournment**

## Engineering Curriculum Committee Agenda

Meeting: #19  
Date: March 21, 2022  
Time: 12:30 pm EST  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
Chair: Karen Marais

1. ECC meeting #19 agenda review and approval.
2. ECC meeting minutes ([ECC #18 03/07/22](#)) review and approval.
3. Consideration by the ECC for *final approval on behalf of the faculty* the following EFDs:
  - 3.1. [EFD 76-22 ABE 50501 Particle, Powder, and Compact Characterization – new graduate course](#)
  - 3.2. [EFD 77-22 ABE 50502 Particle, Powder, and Compact Characterization Laboratory – new graduate course](#)
  - 3.3. [EFD 63-22 ECE 40875 Data Mining Basic Concepts and Techniques – new undergraduate course](#)
  - 3.4. [EFD 71-22 ECE Wireless and Optical Engineering Concentration – new undergraduate concentration](#)
4. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 4.1. [EFD 15-22 BME 58100 Bio-Micro-Electro-Mechanical Systems – change in course title and description](#)
  - 4.2. [EFD 90-22 ECE 60270 Structure and Dynamics of Large-Scale – new graduate course](#)
  - 4.3. [EFD 91-22 ECE 60431 Fiber Optics Communications – new graduate course](#)

- 4.4. [EFD 92-22 ECE 60432 Nanophotonics Modeling – new graduate course](#)
- 4.5. [EFD 93-22 ME Online Master’s Degree Thesis – adding thesis option](#)
- 4.6. [EFD 94-22 ME Micro Masters in Mechanical Engineering – credit revision](#)

## 5. Old Business

### 5.1. Tabled EFDs

- 5.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
- 5.1.2. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
- 5.1.3. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 5.1.4. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 5.1.5. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
- 5.1.6. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 5.1.7. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master’s Program – new graduate concentration](#)
- 5.1.8. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 5.1.9. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 5.1.10. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

### 5.2. Flagged EFDs



5.2.1. [EFD 27-20 FYE Curriculum Update](#)

5.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)

5.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

**6. New Business**

**7. Adjournment**

## Engineering Curriculum Committee Agenda

**Meeting:** #20  
**Date:** March 28, 2022  
**Time:** 12:30 pm EST  
**Location:** Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
**Chair:** Karen Marais

1. ECC meeting #20 agenda review and approval.
2. Consideration by the ECC for *final approval on behalf of the faculty* the following EFDs:
  - 2.1. [EFD 72-22 ABE 44400 Design and Advanced Manufacturing Processes for Internal Combustion Engines – new undergraduate course](#)
  - 2.2. [EFD 74-22 ECE 46300 Introduction to Computer Communication Networks – change in course number, prerequisites, description, learning outcomes, and credits](#)
  - 2.3. [EFD 78-22 ECE Microelectronics and Semiconductors Concentration for BSEE – new undergraduate concentration](#)
  - 2.4. [EFD 79-22 ECE Microelectronics and Semiconductors Concentration for BSCmpE – new undergraduate concentration](#)
  - 2.5. [EFD 81-22 ME BS in Mechanical Engineering – change in degree requirements](#)
3. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 3.1. [EFD 95-22 ME Biomedical Engineering Concentration – expiration of concentration](#)
  - 3.2. [EFD 96-22 ME Int Ecog Sci & Eng Concentration – expiration of concentration](#)

- 3.3. [EFD 82-22 VIP 17910 First-Year Participation in VIP Limited – new undergraduate course](#)
- 3.4. [EFD 83-22 VIP 27910 Sophomore Participation in VIP Limited – new undergraduate course](#)
- 3.5. [EFD 84-22 VIP 37910 Junior Participation in VIP Limited – new undergraduate course](#)
- 3.6. [EFD 85-22 VIP 47910 Senior Participation in VIP Limited – new undergraduate course](#)
- 3.7. [EFD 86-22 VIP 27930 Sophomore Participation in VIP Extended – new undergraduate course](#)

#### 4. Old Business

##### 4.1. Tabled EFDs

- 4.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
- 4.1.2. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
- 4.1.3. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 4.1.4. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 4.1.5. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
- 4.1.6. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 4.1.7. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master’s Program – new graduate concentration](#)
- 4.1.8. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)

- 4.1.9. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 4.1.10. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)
- 4.1.11. [EFD 90-22 ECE 60270 Structure and Dynamics of Large-Scale – new graduate course](#)
- 4.1.12. [EFD 91-22 ECE 60431 Fiber Optics Communications – new graduate course](#)
- 4.1.13. [EFD 92-22 ECE 60432 Nanophotonics Modeling – new graduate course](#)
- 4.1.14. [EFD 94-22 ME Micro Masters in Mechanical Engineering – credit revision](#)

#### **4.2. Flagged EFDs**

- 4.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 4.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 4.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

#### **5. New Business**

#### **6. Adjournment**

## Engineering Curriculum Committee Agenda

**Meeting:** #21  
**Date:** April 4, 2022  
**Time:** 12:30 pm EST  
**Location:** Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
**Chair:** Karen Marais

1. ECC meeting #21 agenda review and approval.
2. ECC meeting minutes ([ECC #19 03/21/22](#)) review and approval.
3. ECC meeting minutes ([ECC #20 03/28/22](#)) review and approval.
4. Consideration by the ECC for *fast-track approval* the following EFD:
  - 4.1. [EFD 99-22 ME 58100 Numerical Methods in Mechanical Engineering – change in prerequisites](#)
5. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 5.1. [EFD 100-22 AAE Hypersonics Graduate Certificate – new graduate certificate](#)
  - 5.2. [EFD 01-23 IDE Major in Autonomy – new graduate major](#)
  - 5.3. [EFD 02-23 IDE Major in Robotics – new graduate major](#)
  - 5.4. [EFD 03-23 IDE Major in Internet-of-Things – new graduate major](#)
6. **Old Business**
  - 6.1. **Tabled EFDs**
    - 6.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)

- 6.1.2. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
- 6.1.3. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 6.1.4. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 6.1.5. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
- 6.1.6. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 6.1.7. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master’s Program – new graduate concentration](#)
- 6.1.8. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 6.1.9. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 6.1.10. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)
- 6.1.11. [EFD 82-22 VIP 17910 First-Year Participation in VIP Limited – new undergraduate course](#)
- 6.1.12. [EFD 83-22 VIP 27910 Sophomore Participation in VIP Limited – new undergraduate course](#)
- 6.1.13. [EFD 84-22 VIP 37910 Junior Participation in VIP Limited – new undergraduate course](#)
- 6.1.14. [EFD 85-22 VIP 47910 Senior Participation in VIP Limited – new undergraduate course](#)
- 6.1.15. [EFD 86-22 VIP 27930 Sophomore Participation in VIP Extended – new undergraduate course](#)

**6.2. Flagged EFDs**

6.2.1. [EFD 27-20 FYE Curriculum Update](#)

6.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)

6.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

**7. New Business**

**8. Adjournment**

## Engineering Curriculum Committee Agenda

Meeting: #22  
Date: April 11, 2022  
Time: 12:30 pm EST  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
Chair: Karen Marais

1. ECC meeting #22 agenda review and approval.
2. ECC meeting minutes ([ECC #21 04/07/22](#)) review and approval.
3. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:
  - 3.1. [EFD 97-22 ME Manufacturing Engineering Concentration – expiration of concentration](#)
  - 3.2. [EFD 04-23 CEM 35100 Foundations of Architectural Design – new undergraduate course](#)
  - 3.3. [EFD 05-23 CEM 45100 Integrative Building Design – new undergraduate course](#)
4. Old Business
  - 4.1. Tabled EFDs
    - 4.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
    - 4.1.2. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
    - 4.1.3. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
    - 4.1.4. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)



- 4.1.5. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
- 4.1.6. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 4.1.7. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master’s Program – new graduate concentration](#)
- 4.1.8. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 4.1.9. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 4.1.10. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)
- 4.1.11. [EFD 82-22 VIP 17910 First-Year Participation in VIP Limited – new undergraduate course](#)
- 4.1.12. [EFD 83-22 VIP 27910 Sophomore Participation in VIP Limited – new undergraduate course](#)
- 4.1.13. [EFD 84-22 VIP 37910 Junior Participation in VIP Limited – new undergraduate course](#)
- 4.1.14. [EFD 85-22 VIP 47910 Senior Participation in VIP Limited – new undergraduate course](#)
- 4.1.15. [EFD 86-22 VIP 27930 Sophomore Participation in VIP Extended – new undergraduate course](#)

#### 4.2. Flagged EFDs

- 4.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 4.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)

4.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

5. New Business

6. Adjournment

## Engineering Curriculum Committee Agenda

Meeting: #23  
Date: April 18, 2022  
Time: 12:30 pm EST  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
Chair: Karen Marais

1. ECC meeting #23 agenda review and approval.
2. ECC meeting minutes ([ECC #22 04/11/22](#)) review and approval.
3. Consideration by the ECC for *final approval on behalf of the faculty* the following EFDs:
  - 3.1. [EFD 100-22 AAE Hypersonics Graduate Certificate – new graduate certificate](#)
  - 3.2. [EFD 15-22 BME 58100 Bio-Micro-Electro-Mechanical Systems – change in course title and description](#)
  - 3.3. [EFD 90-22 ECE 60270 Structure and Dynamics of Large-Scale Networks – new graduate course](#)
  - 3.4. [EFD 91-22 ECE 60431 Fiber Optics Communications – new graduate course](#)
  - 3.5. [EFD 92-22 ECE 60432 Nanophotonics Modeling – new graduate course](#)
  - 3.6. [EFD 01-23 IDE Major in Autonomy – new graduate major](#)
  - 3.7. [EFD 02-23 IDE Major in Robotics – new graduate major](#)
  - 3.8. [EFD 03-23 IDE Major in Internet-of-Things – new graduate major](#)
  - 3.9. [EFD 93-22 ME Online Masters Degree Thesis Option – adding thesis option](#)
  - 3.10. [EFD 94-22 ME Micro Masters in Mechanical Engineering – credit revision](#)

3.11. [EFD 95-22 ME Biomedical Engineering Concentration – expiration of concentration](#)

3.12. [EFD 96-22 ME Int Ecog Sci & Eng Concentration – expiration of concentration](#)

#### 4. Old Business

##### 4.1. Tabled EFDs

4.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)

4.1.2. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)

4.1.3. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)

4.1.4. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)

4.1.5. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)

4.1.6. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)

4.1.7. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration](#)

4.1.8. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)

4.1.9. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)

4.1.10. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

4.1.11. [EFD 82-22 VIP 17910 First-Year Participation in VIP Limited – new undergraduate course](#)

- 4.1.12. [EFD 83-22 VIP 27910 Sophomore Participation in VIP Limited – new undergraduate course](#)
- 4.1.13. [EFD 84-22 VIP 37910 Junior Participation in VIP Limited – new undergraduate course](#)
- 4.1.14. [EFD 85-22 VIP 47910 Senior Participation in VIP Limited – new undergraduate course](#)
- 4.1.15. [EFD 86-22 VIP 27930 Sophomore Participation in VIP Extended – new undergraduate course](#)

#### 4.2. Flagged EFDs

- 4.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 4.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 4.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

#### 5. New Business

#### 6. Adjournment

## Engineering Curriculum Committee Agenda

Meeting: #24  
Date: April 25, 2022  
Time: 12:30 pm EST  
Location: Microsoft Teams Link: <https://tinyurl.com/PurdueECC>  
Call-in Number: (219) 293-4410 [Phone Conference ID: 211 700 152#]  
Chair: Karen Marais

1. ECC meeting #24 agenda review and approval.
2. ECC meeting minutes ([ECC #23 04/18/22](#)) review and approval.
3. Consideration by the ECC for *final approval on behalf of the faculty* the following EFDs:
  - 3.1. [EFD 04-23 CEM 35100 Foundations of Architectural Design – new undergraduate course](#)
  - 3.2. [EFD 05-23 CEM 45100 Integrative Building Design – new undergraduate course](#)
  - 3.3. [EFD 97-22 ME Manufacturing Engineering Concentration – expiration of concentration](#)
4. Consideration by the ECC for *fast-track approval* the following EFDs:
  - 4.1. [EFD 07-23 NUCL 69700 Nuclear Engineering Projects II – change in requisites \(title, credits, and description\)](#)
  - 4.2. [EFD 09-23 NUCL 49700 Selected Topics in Nuclear Engineering – change in requisites \(credits and description\)](#)
  - 4.3. [EFD 10-23 NUCL 59700 Nuclear Engineering Projects I – change in requisites \(title, credits, and description\)](#)
5. Consideration by the ECC for *approval for distribution to the faculty* the following EFDs:

- 5.1. [EFD 08-23 NUCL 69500 Independent Study in Nuclear Engineering II – new graduate course](#)
- 5.2. [EFD 11-23 NUCL 59500 Independent Study in Nuclear Engineering I – new graduate course](#)
- 5.3. [EFD 12-23 NUCL 49500 Independent Study in Nuclear Engineering – new undergraduate course](#)

## 6. Old Business

### 6.1. Tabled EFDs

- 6.1.1. [EFD 12-21 CEM Concentration in IDE MS](#)
- 6.1.2. [EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course](#)
- 6.1.3. [EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course](#)
- 6.1.4. [EFD 90-21 CEM 58600 Development of Underground Space – new graduate course](#)
- 6.1.5. [EFD 91-21 CEM 58500 Temporary Structures – new graduate course](#)
- 6.1.6. [EFD 51-21 CHE 56300 Advanced Solar Energy Conversion – new graduate course](#)
- 6.1.7. [EFD 76-21 CHE Concentration in Healthcare Technology for Online IDE Master's Program – new graduate concentration](#)
- 6.1.8. [EFD 77-21 CHE Grad Certificate in Healthcare Technology – new graduate certificate](#)
- 6.1.9. [EFD 14-17 ECE 60268 Hybrid Systems: Theory and Application – new graduate course](#)
- 6.1.10. [EFD 18-18 ECE 60645 High-Speed Semiconductor Devices – new graduate course](#)

- 6.1.11. [EFD 82-22 VIP 17910 First-Year Participation in VIP Limited – new undergraduate course](#)
- 6.1.12. [EFD 83-22 VIP 27910 Sophomore Participation in VIP Limited – new undergraduate course](#)
- 6.1.13. [EFD 84-22 VIP 37910 Junior Participation in VIP Limited – new undergraduate course](#)
- 6.1.14. [EFD 85-22 VIP 47910 Senior Participation in VIP Limited – new undergraduate course](#)
- 6.1.15. [EFD 86-22 VIP 27930 Sophomore Participation in VIP Extended – new undergraduate course](#)

## 6.2. Flagged EFDs

- 6.2.1. [EFD 27-20 FYE Curriculum Update](#)
- 6.2.2. [EFD 73-21 CHE 50100 Medical Devices – new graduate course](#)
- 6.2.3. [EFD 74-21 CHE 50200 Analytical Approach to Healthcare Delivery – new graduate course](#)

## 7. New Business

## 8. Adjournment