

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: September 4, 2020
RE: Agenda for Meeting #1 – September 7, 2020 online at Webex at 12:30 pm EDT

1. Call to order
2. ECC meeting #1 agenda review and approval.
3. Meeting minutes (ECC #20 04/27/2020) review and approval.
4. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 12-21 CEM concentration in IDE MS
5. Old Business
 - Online final approvals of the following EFDs:
 - i. EFD 54-20 EEE 38500 – cross-listing with AGRY 38500
 - ii. EFD 55-20 EEE 54400 Environmental Soil Chemistry – cross-listing with AGRY 54400
 - iii. EFD 53-20 Certificate in Defense and Security – new certificate
 - Flagged EFDs
 - i. EFD 64-20 Professional Master’s Degree in CEM – to be withdrawn.
 - ii. EFD 27-20 FYE Curriculum Update- open meeting TBD
6. New business
7. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: September 17, 2020
RE: Agenda for Meeting #2 – September 21, 2020 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/meet/tmortiz> Meeting Number: 617 001 649

1. Call to order
2. ECC meeting #2 agenda review and approval.
3. Meeting minutes (ECC #1 09/07/2020) review and approval.
4. Consideration by the ECC for final approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 20-21 CEM 45500 Temporary Structures in Construction – change in requisites
5. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 53-20 ME 54100 Decision Making in Engineering Design – new graduate course
6. Old Business
 - For the record :Fast-Track EFD 14-21 Project Control & Life Cycle Execution of Constructed Facilities - change in requisites was approved on behalf of the faculty via online vote on 09/14/2020 Fast-Track
7. New business
8. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: September 24, 2020
RE: Agenda for Meeting #3 – September 28, 2020 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/meet/tmortiz> Meeting Number: 617 001 649

1. Call to order
2. ECC meeting #3 agenda review and approval.
3. Meeting minutes (ECC #2 09/21/2020) review and approval.
4. Consideration by the ECC for approval on behalf of the faculty the following EFD:
 - EFD 12-21 CEM concentration in IDE MS
5. Consideration by the ECC for final approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 13-21 EEE 69800, 69900 Research MS, PhD Thesis – change in requisites
6. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 21-21 ME - Removing requirement from grad program
7. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 23-21 ME 53900 Data Analytics for Scientists and Engineers
8. Old Business
 - Tabled: EFD 53-20 ME 54100 Decision Making in Engineering Design – new graduate course
9. New business
10. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: October 2, 2020
RE: Agenda for Meeting #4 – October 5, 2020 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/meet/tmortiz> Meeting Number: 617 001 649

1. Call to order
2. ECC meeting #4 agenda review and approval.
3. Meeting minutes (ECC #3 09/28/2020) review and approval.
4. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 3-21 ECE 60422 Primer on RF Design – new graduate course
5. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 4-21 ECE 60423 RF System Design – new graduate course
6. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 5-21 ECE 60424 RF Design: Passive and Active Components– new graduate course
7. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 6-21 ECE 60858 Introduction to Operating Systems– new graduate course
8. Old Business
 - Tabled: EFD 12-21 CEM concentration in IDE MS
9. New business
10. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: October 7, 2020
RE: Agenda for Meeting #5 – October 12, 2020 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/meet/tmortiz> Meeting Number: 617 001 649

1. Call to order
2. ECC meeting #5 agenda review and approval.
3. Meeting minutes (ECC #4 10/05/2020) review and approval.
4. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 21-21 ME - Removing requirement from grad program
5. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 23-21 ME 53900 Data Analytics for Scientists and Engineers
6. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 22-21 Introduction to Nanotechnology and Quantum Science & Technology – new undergraduate course
7. Old Business
 - Flagged EFD: EFD 53-20 ME 54100 Decision Making in Engineering Design – new graduate course
 - Tabled: EFD 12-21 CEM concentration in IDE MS
8. New business
9. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: October 15, 2020
RE: Agenda for Meeting #6 – October 19, 2020 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/meet/tmortiz> Meeting Number: 617 001 649

1. Call to order
2. ECC meeting #6 agenda review and approval.
3. Meeting minutes (ECC #5 10/12/2020) review and approval.
4. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 3-21 ECE 60422 Primer on RF Design – new graduate course
 - EFD 4-21 ECE 60423 RF System Design – new graduate course
 - EFD 5-21 ECE 60424 RF Design: Passive and Active Components– new graduate course
5. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 31-21 ME 53101 Particle, Powder and Compact Characterization – New graduate course
 - EFD 32-21 ME 53102 Particle, Powder and Compact Characterization Laboratory – New graduate course
6. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 24-21 BME 64600 Deep Learning – Theory and Practice of Deep Neural Networks – new graduate course
7. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 25-21 BME 56400 Ethical Engineering of Medical Technologies – new graduate course
8. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 28-21 ABE 49500 Water Quality Engineering – new undergraduate course
9. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 29-21 ABE 59100 Ecological Restoration Engineering – new graduate course

10. Old Business

- Tabled EFD 22-21 ECE 30653 Introduction to Nanotechnology and Quantum Science & Technology – new undergraduate course
- Tabled EFD 6-21 ECE 60858 Introduction to Operating Systems – new graduate course
- Flagged EFD 73-20 ME 54100 Decision Making in Engineering Design – chair is meeting with faculty involved
- Flagged EFD 23-21 ME 53900 Data Analytics for Scientists and Engineers – chair is meeting with faculty involved
- Tabled EFD 12-21 CEM Concentration in IDE MS

11. New business

12. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: October 29, 2020
RE: Agenda for Meeting #7 – November 2, 2020 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/meet/tmortiz> Meeting Number: 617 001 649

1. Call to order
2. ECC meeting #7 agenda review and approval.
3. Meeting minutes (ECC #6 10/19/2020) review and approval.
4. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 6-21 ECE 60858 Introduction to Operating Systems – new graduate course
 - EFD 22-21 ECE 30653 Introduction to Nanotechnology and Quantum Science & Technology – new undergraduate course
5. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 28-21 ABE 42500 Water Quality Engineering – new undergraduate course
 - EFD 29-21 ABE 42600 Ecological Restoration Engineering – new undergraduate course
6. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 24-21 BME 64600 Deep Learning – Theory and Practice of Deep Neural Networks – new graduate course
 - EFD 25-21 BME 56400 Ethical Engineering of Medical Technologies – new graduate course
7. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 31-21 ME 53101 Particle, Powder and Compact Characterization – New graduate course
 - EFD 32-21 ME 53102 Particle, Powder and Compact Characterization Laboratory – New graduate course
8. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 13-20 CEM 29700 Experimental Course – new undergraduate course
 - EFD 14-20 CEM 39700 Experimental Course – new undergraduate course

9. Old Business

- Flagged EFD 73-20 ME 54100 Decision Making in Engineering Design
- Flagged EFD 23-21 ME 53900 Data Analytics for Scientists and Engineers
- Tabled EFD 12-21 CEM Concentration in IDE MS

10. New business

11. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: October 29, 2020
RE: Agenda for Meeting #8 – November 9, 2020 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/meet/tmortiz> Meeting Number: 617 001 649

1. Call to order
2. ECC meeting #8 agenda review and approval.
3. Meeting minutes (ECC #7 11/02/2020) review and approval.
4. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 33-21 ME 53500 Complex Fluids – new graduate course
5. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 26-21 ABE 3300 Design of Machine Components – change in requisites
6. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 27-21 Multiple courses – course expirations
7. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 30-21 ABE ENRE Plan of Study - updates
8. Old Business
 - Flagged EFD 73-20 ME 54100 Decision Making in Engineering Design- updated EFD with new title
 - Flagged EFD 23-21 ME 53900 Data Analytics for Scientists and Engineers- updated EFD with new title
 - Tabled EFD 12-21 CEM Concentration in IDE MS
9. New business
10. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: November 29, 2020
RE: Agenda for Meeting #9 – November 30, 2020 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/meet/tmortiz> Meeting Number: 617 001 649

1. Call to order
2. ECC meeting #9 agenda review and approval.
3. Meeting minutes (ECC #8 11/09/2020) review and approval.
4. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 33-21 ME 53500 Complex Fluids – new graduate course
5. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 26-21 ABE 3300 Design of Machine Components – change in requisites
6. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 27-21 ABE Multiple courses – course expirations
7. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 30-21 ABE ENRE Plan of Study - updates
8. Old Business
 - EFDs13-20 and 14-20 CEM Experimental courses was approved on 11/16/20
 - Tabled EFD 12-21 CEM Concentration in IDE MS
9. New business
10. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: January 21, 2021
RE: Agenda for Meeting #10 – January 25 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>
Meeting number (access code): 120 625 4594 Meeting password: ECC1

1. Call to order
2. ECC meeting #10 agenda review and approval.
3. Meeting minutes (ECC #9 11/30/2020) review and approval.
4. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 35-21 CHE 20500 Chemical Engineering Calculations – change in requisites
5. Consideration by the ECC for final approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 36-21 CHE 21100 Introductory Chemical Engineering Thermodynamics - change in requisites
6. Consideration by the ECC for final approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 37-21 CHE 32000 Statistical Modeling and Quality Enhancement – change in requisites
7. Consideration by the ECC for final approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 38-21 CHE 30000,40000 Chemical Engineering Seminars – change in requisites
8. Consideration by the ECC for final approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 39-21 CHE 37700 Momentum Transfer – change in requisites
9. Consideration by the ECC for final approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 40-21 CHE 34800 Chemical Reaction Engineering - change in requisites
10. Consideration by the ECC for final approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 41-21 CHE 39699 Professional Practice Internship – change in requisites
11. Consideration by the ECC for final approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 42-21 CHE 41100 CHE Undergraduate Research – change in title
12. Consideration by the ECC for final approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 43-21 CHE 49800,49900 Undergraduate Thesis Research I,II – change in requisites

13. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 45-21 CHE Data Science – new concentration
14. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 46-21 CHE Distinguished Research – new concentration
15. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 18-21 CE 33500 Civil Engineering Materials – new undergraduate course
16. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 61-21 ENGR 13000 Transforming Ideas to Innovation – new undergraduate course
17. Old Business
 - Tabled EFD 12-21 CEM Concentration in IDE MS
18. New business
19. Adjournment

Memorandum

TO: Engineering Curriculum Committee

FROM: Karen Marais

DATE: January 28, 2021

RE: Agenda for Meeting #11 – February 1 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>
Meeting number (access code): 120 625 4594 Meeting password: ECC1

1. Call to order
2. ECC meeting #11 agenda review and approval.
3. Meeting minutes (ECC #10 1/25/2021) review and approval.
4. Consideration by the ECC for final approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 30-20 MSE 36700 Materials Processing Lab – change in requisites
5. Old Business – Tabled EFDs
 - EFD 37-21 CHE 32000 Statistical Modeling and Quality Enhancement – change in requisites
 - EFD 38-21 CHE 30000,40000 Chemical Engineering Seminars – change in requisites
 - EFD 45-21 CHE Data Science – new concentration
 - EFD 61-21 ENGR 13000 Transforming Ideas to Innovation – new undergraduate course
 - EFD 12-21 CEM Concentration in IDE MS
6. New business
7. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: February 4, 2021
RE: Agenda for Meeting #12 – February 8 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>
Meeting number (access code): 120 625 4594 Meeting password: ECC1

1. Call to order
2. ECC meeting #12 agenda review and approval.
3. Meeting minutes (ECC #11 2/1/2021) review and approval.
4. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 18-21 CE 33500 Civil Engineering Materials – new undergraduate course
5. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 46-21 CHE Distinguished Research Concentration – new concentration
6. Old Business – Tabled EFDs
 - EFD 37-21 CHE 32000 Statistical Modeling and Quality Enhancement – change in requisites
 - EFD 38-21 CHE 30000,40000 Chemical Engineering Seminars – change in requisites
 - EFD 12-21 CEM Concentration in IDE MS – Remaining Tabled for two weeks
7. New business
8. Adjournment

Memorandum

TO: Engineering Curriculum Committee

FROM: Karen Marais

DATE: February 5, 2021

RE: Agenda for Meeting #13 – February 15 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>
Meeting number (access code): 120 625 4594 Meeting password: ECC1

1. Call to order
2. ECC meeting #13 agenda review and approval.
3. Meeting minutes (ECC #12 2/8/2021) review and approval.
4. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 61-21 ENE 13000 Transforming Ideas to Innovations – new undergraduate course
5. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 45-21 CHE Data Science Concentration – new concentration
6. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 44-21 CHE 55400 Smart Manufacturing in Process Industries – new graduate course
7. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 47-21 CHE 52100 Principles of Tissue Engineering– new graduate course
8. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 48-21 CHE 52300 Engineering Applications of Biological Molecules– new graduate course
9. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 49-21 CHE 56000 Intro to Energy Storage Solutions– new graduate course
10. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 50-21 CHE 56200 Battery Systems Lab– new graduate course
11. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 51-21 CHE 56300 Advanced Solar Energy Conversion– new graduate course
12. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 52-21 CHE 56400 Organic Electronic Materials and Devices– new graduate course

13. Consideration by the ECC for approval for distribution to the faculty the following EFD:

- EFD 58-20 IE 47400 Industrial Controls System – change in requisites

14. Old Business – Tabled EFDs

- EFD 12-21 CEM Concentration in IDE MS – Remaining Tabled for two weeks

15. New business

16. Adjournment

Memorandum

TO: Engineering Curriculum Committee

FROM: Karen Marais

DATE: February 19, 2021

RE: Agenda for Meeting #14 – February 22 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>
Meeting number (access code): 120 625 4594 Meeting password: ECC1

1. Call to order
2. ECC meeting #14 agenda review and approval.
3. Meeting minutes (ECC #32 2/15/2021) review and approval.
4. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 19-21 CE Plan of Study Update
5. Consideration by the ECC for approval for distribution to the faculty the following Fast-Track EFD:
 - EFD 79-21 CHE 40100 Cooperative Seminar III – requisite change
6. Consideration by the ECC for approval for distribution to the faculty the following Fast-Track EFD:
 - EFD 80-21 CHE Professional Co-op III, Professional Practice Extensive Co-op IV – requisite change
7. Consideration by the ECC for approval for distribution to the faculty the following Fast-Track EFD:
 - EFD 81-21 CHE 38499 Professional Practice Co-op IV – requisite change
8. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 82-21 CHE 49500 Chemical Engineering Study Abroad new undergraduate course
9. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 78-21 MSE Mechanical Behavior of Polymers – new graduate course
10. Old Business – Tabled EFDs
 - EFD 12-21 CEM Concentration in IDE MS – Remaining Tabled for two weeks
11. New business
12. Adjournment

Memorandum

TO: Engineering Curriculum Committee

FROM: Karen Marais

DATE: February 26, 2021

RE: Agenda for Meeting #15 – March 1 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>
Meeting number (access code): 120 625 4594 Meeting password: ECC1

1. Call to order
2. ECC meeting #15 agenda review and approval.
3. Meeting minutes (ECC #14 2/22/2021) review and approval.
4. Consideration by the ECC for approval for distribution to the faculty the following Fast-Track EFD:
 - EFD 83-21 ME 41500 Energy Systems Engineering – change in requisites
5. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 86-21 VIP 37930 Junior Participation Vertically Integrated Projects (VIP) Ext - new undergraduate course
6. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 87-21 VIP 47930 Senior Participation Vertically Integrated Projects (VIP) Ext - new undergraduate course
7. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 62-21 ME 45900 Mechanism and Machine Theory – new undergraduate course
8. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course
9. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course
10. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 90-21 CEM 58600 Development of Underground Space – new graduate course
11. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 91-21 CEM 58500 Temporary Structures – new graduate course

12. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 92-21 CEM Plan of Study updates
13. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 84-21 ABE 40600 Ambassador Leadership Seminar – new undergraduate course
14. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 85-21 ABE 5300 Leadership in Biotechnology – new undergraduate course
15. Old Business – Tabled EFDs
 - EFD 44-21 CHE 55400 Smart Manufacturing in Process Industries – new graduate course
 - EFD 47-21 CHE 52100 Principles of Tissue Engineering– new graduate course
 - EFD 50-21 CHE 56200 Battery Systems Lab– new graduate course
 - EFD 12-21 CEM Concentration in IDE MS – Remaining Tabled for two weeks
16. New business
17. Adjournment

Memorandum

TO: Engineering Curriculum Committee

FROM: Karen Marais

DATE: March 5, 2021

RE: Agenda for Meeting #16 – March 8 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>
Meeting number (access code): 120 625 4594 Meeting password: ECC1

1. Call to order
2. ECC meeting #16 agenda review and approval.
3. Meeting minutes (ECC #15 3/01/2021) review and approval.
4. Consideration by the ECC for approval on behalf of the faculty the following EFD:
 - EFD 78-21 MSE Mechanical Behavior of Polymers – new graduate course
5. Consideration by the ECC for approval on behalf of the faculty the following EFD:
 - EFD 81-21 CHE 38499 Professional Practice Co-op IV – requisite change
 - EFD 82-21 CHE 49500 Chemical Engineering Study Abroad new undergraduate course
6. Old Business – Tabled EFDs
 - EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course – New EFD
 - EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course– New EFD
 - EFD 90-21 CEM 58600 Development of Underground Space – new graduate course– New EFD
 - EFD 91-21 CEM 58500 Temporary Structures – new graduate course– New EFD
 - EFD 48-21 CHE 52300 Engineering Applications of Biological Molecules– new graduate course
 - EFD 49-21 CHE 56000 Intro to Energy Storage Solutions– new graduate course
 - EFD 51-21 CHE 56300 Advanced Solar Energy Conversion– new graduate course
 - EFD 52-21 CHE 56400 Organic Electronic Materials and Devices– new graduate course
 - EFD 12-21 CEM Concentration in IDE MS – Remaining Tabled
7. New business
8. Adjournment

Memorandum

TO: Engineering Curriculum Committee

FROM: Karen Marais

DATE: March 12, 2021

RE: Agenda for Meeting #17 – March 15 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>
Meeting number (access code): 120 625 4594 Meeting password: ECC1

1. Call to order
2. ECC meeting #17 agenda review and approval.
3. Meeting minutes (ECC #16 3/08/2021) review and approval.
4. Consideration by the ECC for approval on behalf of the faculty the following EFD:
 - EFD 44-21 CHE 55400 Smart Manufacturing in Process Industries – new graduate course
 - EFD 47-21 CHE 52100 Principles of Tissue Engineering– new graduate course
 - EFD 50-21 CHE 56200 Battery Systems Lab– new graduate course
5. Consideration by the ECC for approval on behalf of the faculty the following EFD:
 - EFD 84-21 ABE 40600 Ambassador Leadership Seminar – new undergraduate course
6. Consideration by the ECC for approval on behalf of the faculty the following EFD:
 - EFD 86-21 VIP 37930 Junior Participation Vertically Integrated Projects (VIP) Ext - new undergraduate course
 - EFD 87-21 VIP 47930 Senior Participation Vertically Integrated Projects (VIP) Ext - new undergraduate course
7. Consideration by the ECC for approval on behalf of the faculty the following EFD:
 - EFD 62-21 ME 45900 Mechanism and Machine Theory – new undergraduate course
8. Old Business:
 - Tabled EFDs
 - i. EFD 48-21 CHE 52300 Engineering Applications of Biological Molecules– new graduate course – New version
 - ii. EFD 49-21 CHE 56000 Intro to Energy Storage Solutions– new graduate course – New version

- iii. EFD 52-21 CHE 56400 Organic Electronic Materials and Devices– new graduate course – New version
 - iv. EFD 51-21 CHE 56300 Advanced Solar Energy Conversion– new graduate course – No new document
 - v. EFD 85-21 ABE 53000 Leadership in Biotechnology – new undergraduate course – No new document
 - vi. EFD 12-21 CEM Concentration in IDE MS – Remaining tabled
- Flagged EFDs
 - i. EFD 92-21 CEM Plan of Study updates
 - ii. EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course – New EFD
 - iii. EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course– New EFD
 - iv. EFD 90-21 CEM 58600 Development of Underground Space – new graduate course– New EFD
 - v. EFD 91-21 CEM 58500 Temporary Structures – new graduate course– New EFD

9. New business

10. Adjournment

Memorandum

TO: Engineering Curriculum Committee

FROM: Karen Marais

DATE: March 25, 2021

RE: Agenda for Meeting #18 – March 29 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>
Meeting number (access code): 120 625 4594 Meeting password: ECC1

1. Call to order
2. ECC meeting #18 agenda review and approval.
3. Meeting minutes (ECC #17 3/15/2021) review and approval.
4. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 85-21 ABE 53000 Leadership in Biotechnology – new undergraduate course – No new document
5. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 52-21 CHE 56400 Organic Electronic Materials and Devices– new graduate course – New version
6. Old Business:
 - Tabled EFDs
 - i. EFD 48-21 CHE 52300 Engineering Applications of Biological Molecules– new graduate course – New version
 - ii. EFD 49-21 CHE 56000 Intro to Energy Storage Solutions– new graduate course – New version
 - iii. EFD 52-21 CHE 56400 Organic Electronic Materials and Devices– new graduate course – New version
 - iv. EFD 51-21 CHE 56300 Advanced Solar Energy Conversion– new graduate course – No new document
 - v. EFD 12-21 CEM Concentration in IDE MS – Remaining tabled
 - Flagged EFDs
 - i. EFD 92-21 CEM Plan of Study updates
 - ii. EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course – update from chair
 - iii. EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course– update from chair

- iv. EFD 90-21 CEM 58600 Development of Underground Space – new graduate course– update from chair
- v. EFD 91-21 CEM 58500 Temporary Structures – new graduate course– update from chair
- vi. EFD 27-20 FYE Curriculum Update - update from chair

7. New business

8. Adjournment

Memorandum

TO: Engineering Curriculum Committee

FROM: Karen Marais

DATE: April 1, 2021

RE: Agenda for Meeting #19 – April 5 online at Webex at 12:30 pm EDT
<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>
Meeting number (access code): 120 625 4594 Meeting password: ECC1

1. Call to order
2. ECC meeting #19 agenda review and approval.
3. Meeting minutes (ECC #18 3/29/2021) review and approval.
4. Old Business:
 - Tabled EFDs
 - i. EFD 49-21 CHE 56000 Intro to Energy Storage Solutions– new graduate course – **New version**
 - ii. EFD 51-21 CHE 56300 Advanced Solar Energy Conversion– new graduate course – Remaining tabled
 - iii. EFD 12-21 CEM Concentration in IDE MS – Remaining tabled
 - Flagged EFDs
 - i. EFD 92-21 CEM Plan of Study updates – **New version**
 - ii. EFD 88-21 CEM 58800 Pipeline Condition Assessment and Integrity Management – new graduate course
 - iii. EFD 89-21 CEM 58700 Underground Infrastructure Asset Management – new graduate course
 - iv. EFD 90-21 CEM 58600 Development of Underground Space – new graduate course
 - v. EFD 91-21 CEM 58500 Temporary Structures – new graduate course
 - vi. EFD 27-20 FYE Curriculum Update
5. New business
6. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: April 8, 2021
RE: Agenda for Meeting #20 – April 12 online at Webex at 12:30 pm EDT

OPEN SESSION 12:30-13:00

Open Session link: <https://purdue.webex.com/purdue/j.php?MTID=m419011c4bf08c9ff27ad94e9988a5c8e>
Meeting number: 120 435 9034
Password: aWVpJ2xss32

1. Call to order
2. Discussion on EFD 92-21 CEM Plan of Study updates
3. Adjourn open session

CLOSED SESSION 13:00-13:30

Closed Session link: <https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>
Meeting number: 120 625 4594
Password: ECC1

4. ECC meeting #20 agenda review and approval.
5. Meeting minutes (ECC #19 4/5/2021) review and approval.
6. Consideration by the ECC for final approval on behalf of the faculty after an open meeting of the ECC the following EFD:
 - EFD 92-21 CEM Plan of Study updates
7. Consideration by the ECC for approval on behalf of the faculty the following Fast-Track EFD:
 - EFD 93-21 AAE 33900 Aerospace Propulsion – update to learning outcomes
8. Old Business:
 - Tabled EFDs
 - i. EFD 11-20 CHE Data Science Concentration for Professional Master's Program – **New version**

- ii. EFD 51-21 CHE 56300 Advanced Solar Energy Conversion– new graduate course – Remaining tabled
- iii. EFD 12-21 CEM Concentration in IDE MS – Remaining tabled
- 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
 - v. EFD 27-20 FYE Curriculum Update

9. New business

10. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: April 22, 2021
RE: Agenda for Meeting #21 – April 26 online at Webex at 12:30 pm EDT

<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>

Meeting number: 120 625 4594

Password: ECC1

1. ECC meeting #21 agenda review and approval.
2. Meeting minutes (ECC #20 4/12/2021) review and approval.
3. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 48-21 CHE 52300 Engineering Applications of Biological Molecules – new graduate course
4. Consideration by the ECC for approval on behalf of the faculty the following Fast-Track EFDs:
 - EFD 1-22 BME 20500 Biomolecular and Cellular Systems Lab – change in offering
 - EFD 2-22 BME 20600 Biomechanics and Biomaterials Lab – change in offering
5. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD CHE 50100 Medical Devices – new graduate course
6. Consideration by the ECC for approval for distribution to the faculty the following EFD:
 - EFD 57-17 CHE 60000 Approaches to Chemical Engineering Research – new graduate course
7. Old Business:
 - Tabled EFDs
 - i. EFD 51-21 CHE 56300 Advanced Solar Energy Conversion– new graduate course – Remaining tabled
 - ii. EFD 12-21 CEM Concentration in IDE MS – Remaining tabled
 - 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
- v. EFD 27-20 FYE Curriculum Update

- 8. New business
- 9. Adjournment

Memorandum

TO: Engineering Curriculum Committee
FROM: Karen Marais
DATE: April 28, 2021
RE: Agenda for Meeting #22 – May 3 online at Webex at 12:30 pm EDT

<https://purdue.webex.com/purdue/j.php?MTID=m40634ee92ec462a98911907792c068c4>

Meeting number: 120 625 4594

Password: ECC1

1. ECC meeting #22 agenda review and approval.
2. Meeting minutes (ECC #21 4/26/2021) review and approval.
3. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 49-21 CHE 56000 Intro to Energy Storage Solutions– new graduate course
4. Consideration by the ECC for final approval on behalf of the faculty the following EFD:
 - EFD 11-20 CHE Data Science Concentration for Professional Master’s Program
5. 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
6. 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 – Remaining tabled
 - iv. EFD 12-21 CEM Concentration in IDE MS – Remaining tabled
 - 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
- v. EFD 27-20 FYE Curriculum Update

- 7. New business
- 8. Adjournment