

Engineering Curriculum Committee Agenda

Meeting: #17
Date: January 27, 2025
Time: 12:30 pm EST
Location: [Virtually via Zoom](#)
Meeting ID: 927 6319 2409
Passcode: 585291
Chair(s): Kinzer-Ursem (co-chair), Oakes (co-chair)

1. ECC meeting #17 agenda review and approval.
2. ECC meeting minutes ([ECC #16 – 01/13/25](#)) review and approval.
3. The following EFD is ***auto-approved on behalf of the faculty*** and will be read into the minutes:
 - 3.1. [EFD 111-25 ECE 51216 Digital Systems Design Automation – add Purdue Indianapolis campus](#)
4. Consideration by the ECC for ***final approval on behalf of the faculty*** the following EFDs:
 - 4.1. [EFD 27-25 ECE 60001 Concepts to Innovation I – new graduate course](#)
 - 4.2. [EFD 28-25 ECE 60002 Concepts to Innovation II – new graduate course](#)
 - 4.3. [EFD 82-25 AAE 53600 Computational Combustion and Propulsion – new graduate course](#)
5. Consideration by the ECC for ***fast-track approval on behalf of the faculty*** the following EFDs:
 - 5.1. [EFD 94-25 MSPE 29701 Motorsports Introduction to Modeling – change in requisites](#)
 - 5.2. [EFD 95-25 MSPE 29800 Programming and Computer Modeling for Motorsports – change in requisites and course description](#)

- 5.3. [EFD 96-25 MSPE 31700 Motorsports Practicum I – change in course title](#)
- 5.4. [EFD 97-25 MSPE 32000 Motorsports Design I – change in course description](#)
- 5.5. [EFD 99-25 MSPE 35000 Computer-Aided Design and Manufacturing – change in requisites](#)
- 5.6. [EFD 100-25 MSPE 41400 Motorsports Design II – change in requisites and course description](#)
- 5.7. [EFD 101-25 MSPE 41700 Motorsports Practicum II – change in course title](#)
- 5.8. [EFD 104-25 MSPE 47200 Vehicle Dynamics – change in requisites and course description](#)
- 5.9. [EFD 105-25 MSPE 42800 Motorsports Aerodynamics – change in requisites and course description](#)
6. Consideration by the ECC for ***approval for distribution to the faculty*** the following EFDs:
 - 6.1. [EFD 32-25 ME Minor in Intellectual Property Law for Engineers – change in curriculum](#)
 - 6.2. [EFD 78-25 ABE 35100 Industrial Microbial Biotechnology in Germany – new undergraduate course](#)
 - 6.3. [EFD 79-25 ABE Minor in Biotechnology – change in curriculum](#)
 - 6.4. [EFD 93-25 MSPE 29000 Motorsports Engineering Seminar – new undergraduate course](#)
 - 6.5. [EFD 98-25 MSPE 33000 Systems Engineering for Motorsports – new undergraduate course](#)
 - 6.6. [EFD 102-25 MSPE 42600 Motorsports Powertrain – change in course title, description, and requisites](#)
 - 6.7. [EFD 103-25 MSPE 43100 Race Engineering – new undergraduate course](#)

- 6.8. [EFD 106-25 MSPE 27200, 29700, 29900, 41000, 41800 – course expirations](#)
- 6.9. [EFD 108-25 ECE 50005 Intellectual Property Generation and Management – new graduate course](#)
- 6.10. [EFD 110-25 ECE 64700 Performance Modeling of Computer Communications Networks – change in course title, description, and requisites](#)
- 7. **Old Business**
 - 7.1. **Tabled EFDs**
 - 7.1.1. [EFD 15-25 BME Concentration in Artificial Intelligence and Digital Health for MSBME – new graduate concentration](#)
 - 7.1.2. [EFD 39-25 BME Concentration in Artificial Intelligence and Digital Health with Industry Immersion for MSBME – new graduate concentration](#)
 - 7.1.3. [EFD 94-24 ECE Minor in Artificial Intelligence and Machine Learning – change in curricula](#)
 - 7.2. **Flagged EFDs**
 - 7.2.1. [EFD 40-24 ENE 68600 Succeeding as an Engineering Professor – new graduate course](#)
 - 7.2.2. [EFD 30-25 ECE 60125 Optimization for Deep Learning – new graduate course](#)
 - 7.2.3. [EFD 74-25 ABE 54200 From Chips to Cloud: Machine Learning in IoT and Computer Systems – new graduate course](#)
- 8. **New Business**
- 9. **Adjournment**