

**EE / CprE / SE 491 - Senior Design (Fall 2018)**  
**Design Review Schedule - 3043 ECpE Addition**

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**MONDAY, December 3, 2017**

Time Slot	Team	Faculty Reviewers					
8:30 – 9:00	sdmay19-08						
9:00 – 9:30	sdmay19-43						
9:30 – 10:00	sdmay19-06						
10:00 – 10:30	sdmay19-45						
10:30 – 11:00	sdmay19-17						
11:00 – 11:30	sdmay19-21						
11:30 – 12:00							
12:00 – 12:30	sdmay19-05						
12:30 – 1:00	sdmay19-09						
1:00 – 1:30	sdmay19-03						
1:30 – 2:00	sdmay19-25						
2:00 – 2:30	sdmay19-28						
2:30 – 3:00	sdmay19-30						
3:00 – 3:30	sdmay19-46						
3:30 – 4:00	sdmay19-19						
4:00 – 4:30	sdmay19-18						
4:30 – 5:00	sdmay19-23						

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**TUESDAY, December 4, 2017**

Time Slot	Team	Faculty Reviewers					
8:30 – 9:00	sdmay19-36						
9:00 – 9:30	sdmay19-33						
9:30 – 10:00	sdmay19-41						
10:00 – 10:30	sdmay19-42						
10:30 – 11:00	sdmay19-35						
11:00 – 11:30	sdmay19-32						
11:30 – 12:00	sdmay19-29						
12:00 – 12:30	sdmay19-39						
12:30 – 1:00	sdmay19-13						
1:00 – 1:30	sdmay19-12						
1:30 – 2:00	sdmay19-47						
2:00 – 2:30	sdmay19-10						
2:30 – 3:00	sdmay19-07						
3:00 – 3:30	sdmay19-16						
3:30 – 4:00	sdmay19-11						
4:00 – 4:30	sdmay19-02						
4:30 – 5:00	sdmay19-22						

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**WEDNESDAY, December 5, 2017**

Time Slot	Team	Faculty Reviewers					
8:30 – 9:00	sdmay19-01						
9:00 – 9:30	sdmay19-15						
9:30 – 10:00	sdmay19-20						
10:00 – 10:30	sdmay19-04						
10:30 – 11:00	sdmay19-37						
11:00 – 11:30	sdmay19-34						
11:30 – 12:00							
12:00 – 12:30							
12:30 – 1:00	sdmay19-44						
1:00 – 1:30							
1:30 – 2:00	sdmay19-31						
2:00 – 2:30	sdmay19-26						
2:30 – 3:00	sdmay19-38						
3:00 – 3:30	sdmay19-14						
3:30 – 4:00	sdmay19-24						
4:00 – 4:30	sdmay19-40						
4:30 – 5:00	sdmay19-27						

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### Projects and Websites (<http://seniord.ece.iastate.edu/projects/may2019.html>):

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| <u>May19-01:</u> Athlete Motion Tracking   | <u>May19-25:</u> Handheld Emulation Station  |
| <u>May19-02:</u> Converting an Industry Leading Native Mobile App to React Native                            | <u>May19-26:</u> 115kV / 34.5kV Solar Power Plant/Substation Design Project                |
| <u>May19-03:</u> 3D Metal Printer - Phase II   | <u>May19-27:</u> Smartphone Tracking App for Microsoft HoloLens                            |
| <u>May19-04:</u> Open-Source Prototyping of 5G Wireless Systems for Smart Ag, Autonomous Vehicles and Beyond | <u>May19-28:</u> Charity Bingo Software Development and Integration                        |
| <u>May19-05:</u> Cyber Network Capture Generator   | <u>May19-29:</u> Automating Inventory Management and Routing through Sensor Networks       |
| <u>May19-06:</u> Quantitative Research Modeling Library  | <u>May19-30:</u> EE 448 Stroboscope  |
| <u>May19-07:</u> Real Estate Portfolio Optimization  | <u>May19-31:</u> Multi-Purpose Automated Robotic Mixer (mpARM)                             |
| <u>May19-08:</u> IC Chip: Automated Clay Target Scoring System   | <u>May19-32:</u> Sound Effect Devices for Musicians  |
| <u>May19-09:</u> Mars Rover  | <u>May19-33:</u> Availability Prediction Based on Multi-Context Data                       |
| <u>May19-10:</u> Distributed Wild Bird Surveillance and Recognition System                                   | <u>May19-34:</u> Context-Aware Clothing Recommendation                                     |
| <u>May19-11:</u> MIDI Zuesaphone (Singing Tesla Coil)  | <u>May19-35:</u> Implementing a Web Portal System for Drone Simulation and Control         |
| <u>May19-12:</u> Automatic Solder Dispenser  | <u>May19-36:</u> IoT Sensor Integration and Back-end Development for Sequoia               |
| <u>May19-13:</u> Small Equipment Checkout System   | <u>May19-37:</u> Are Cross Country Courses Avoiding Hills?                                 |
| <u>May19-14:</u> Wireless Recharging System  | <u>May19-38:</u> Android App Forensic Evidence Database                                    |
| <u>May19-15:</u> Capacitor Gun   | <u>May19-39:</u> ISEAGE Traffic Generator  |
| <u>May19-16:</u> Smartphone App to Detect TwD (Texting while Driving)  | <u>May19-40:</u> Call for Code for Natural Disasters                                       |
| <u>May19-17:</u> Substation Design   | <u>May19-41:</u> Wideband Full Stokes Parameterised Spectrometer for Xilinx RFSoc Platform |
| <u>May19-18:</u> Real-Time Route Optimization  | <u>May19-42:</u> Synchronized Quadcopter Cameraman   |
| <u>May19-19:</u> Offensive Security Orchestration  | <u>May19-43:</u> UAV Assisted Energy Delivery  |
| <u>May19-20:</u> MicroCart (Microprocessor Controlled Aerial Robotics Team)                                  | <u>May19-44:</u> Circuit Drawing and Simulation App/Website                                |
| <u>May19-21:</u> Distributed Mesh Network for Data Collection and Predictive Analytics                       | <u>May19-45:</u> IoT Environmental Monitor   |
| <u>May19-22:</u> Online Ordering Platform  | <u>May19-46:</u> Impact of High Photo-Voltaic Penetration on Distribution Systems          |
| <u>May19-23:</u> Mobile, Biometric Bitlocker   | <u>May19-47:</u> NSF Lab Furnace Control System  |
| <u>May19-24:</u> Power System Reliability in the Midwest US for High Wind/Solar Levels                       |  |