

Senior Design Showcase

Spring 2019 – Friday, May 10th

| Program | Course | Time(s) | Location | Format | Team Size (# Teams) | Lead Instructor | Brief Project Description |
|--|-----------------------|--|--|--|---------------------|-----------------|--|
| Civil Engineering | CE 190 | Th. 3:30 – 7:30 pm Fri.: 2:30 – 6:30 pm | University Union Hinde Auditorium | PowerPoint Presentations (~20 min/each) | 5-6 (14 teams) | Salveson | Student teams perform preliminary engineering design of a civil engineering system. Students are required to adhere to realistic constraints, and practicing professional engineers work with the student teams to provide mentorship. |
| Computer Science | CSC 191 | 9 am - 2 pm | 1217 Santa Clara Hall | PowerPoint Presentations (~20 min/each) | 6-8 (23 teams) | Buckley | Student teams work on the development of a software application for a public or private sector client. Team members must collaborate with each other as well as with their client to ensure the software delivered provides the value that the client expects. |
| Electrical & Electronic Engineering | EEE 192A/ EEE 192B | 9 am – 12 pm | Outside: NE corner of Riverside Hall | Poster Presentations (open format) | 4-6 (5 teams) | Yazdani | Teams plan, research, and design aspects of energy systems, including generation, transmission, and distribution systems. Emphasis is placed on design philosophies, problem definition, research, project planning, communication skills, teamwork, development of specifications, and effective utilization of available resources. |
| | | | | | 4-5 (5 teams) | Mearns | |
| Electrical & Electronic Engineering / Computer Engineering | EEE 193A/ CPE 190 | 9 am – 12 pm | Outside: NE corner of Riverside Hall | Poster Presentations (open format) | 3-5 (8 teams) | Vadhva | Student teams plan and design electronic engineering devices, systems, and software. Emphasis is placed on design philosophies, problem definition, project planning and budgeting, communication skills, teamwork, development of specifications, utilization of computer aided-design systems, and effective utilization of available resources. |
| Electrical & Electronic Engineering / Computer Engineering | EEE 193B/ CPE 191 | 9 am – 12 pm | Outside: NE corner of Riverside Hall | Poster Presentations and Demos (open format) | 3-5 (9 teams) | Tatro | Student teams design projects started in EEE 193A/CPE 190. The hardware is designed, tested, and redesigned if necessary. Required software is written, debugged, and incorporated into a written report. The final results of the project are presented. |
| Mechanical Engineering | ME 191 | 9 am – 12 pm | Outside: Santa Clara Hall Breezeway | Poster Presentations and Demos (open format) | 4-5 (24 teams) | Bell | Continuation of the project started in ME 190. Teams fabricate, assemble, test, evaluate, and report on their product, device, or apparatus. |
| The Order of the Engineer Ring Induction Ceremony, 12 – 1 pm, University Union, Hinde Auditorium. | | | | | | | |
| Construction Management | CM 129 | 1 – 4 pm | Santa Clara Hall Breezeway | Poster Presentations (open format) | 4-5 (14 teams) | Shope & Haskell | Teams consider technical, legal, business and human factors (including safety) in applying the functional approach to the management of construction organizations, projects, and operations. . |
| Mechanical Engineering | ME 190 | 1 – 4 pm | Santa Clara Hall Breezeway | Poster Presentations (open format) | 4-5 (17 teams) | Vogt | Student teams design a product, device, or apparatus that will be fabricated in ME 191. Students work in small groups and interact with product users, vendors, and faculty advisors. |