

Senior Design Showcase

Friday, May 12, 2017

Program	Course	Time(s)	Location	Format	Team Size (# Teams)	Lead Instructor	Brief Project Description
Civil Engineering	CE 190	5:30 – 8:30 pm (Thurs. & Fri.)	Univ. Union, Ballroom III	PowerPoint Presentations	5-6 (12 Teams)	Salveson	Student teams design the first phase of a multi-phased streetscape improvement project on Franklin Boulevard in Sacramento County under realistic environmental permitting constraints. Practicing professional engineers provide mentorship.
Computer Science	CSC 191	9 am – 2 pm	1207 Santa Clara Hall	PowerPoint Presentations	4-7 (12 Teams)	Buckley	Teams apply software engineering principles to the design, implementation, and testing of their software product. All technical work is published using guidelines modeled after IEEE documentation standards along with an appropriate user manual.
Electrical & Electronic Engineering	EEE 192A/ EEE 192B	2 - 5 pm	Univ. Union, Redwood Room	Poster Presentations	4-5 (6 teams)	Vaziri	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 (7 teams)	Mearns	
Electrical & Electronic Engineering / Computer Engineering	EEE 193A/ CPE 190	2 - 5 pm	Univ. Union, Redwood Room	Poster Presentations	3-5 (9 teams)	Belkhouche & Tatro	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	2 - 5 pm	Univ. Union, Redwood Room	Poster Presentations	3-5 (15 teams)	Vadhva	Student teams design projects started in EEE 193A/CPE 190. The hardware will be completed, 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 190	9 am – 12 pm	Santa Clara Hall Breezeway	Poster Presentations	4-5 (23 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, technicians, and faculty advisors.
Mechanical Engineering	ME 191	9 am – 12 pm	Santa Clara Hall Breezeway	Product Demonstrations	4-5 (29 Teams)	Vogt	Student teams continue 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.