

Senior Design Showcase

Spring 2018 – Friday, May 11th

Program	Course	Time(s)	Location	Format	Team Size (# Teams)	Lead Instructor	Brief Project Description
Civil Engineering	CE 190	Th. 5 - 9 pm	Univ. Union, Hinde Auditorium	PowerPoint Presentations (~20 min/each)	6-8 (12 teams)	Salveson	Student teams perform preliminary engineering for a "Complete Streets" project for Stockton Boulevard in the City of Sacramento. Students will be required to adhere to realistic constraints, and practicing professional engineers will work with the student teams to provide mentorship.
		Fri.: 3 – 7:30 pm	Univ. Union, Folsom Suite				
Computer Science	CSC 191	9 am - 2 pm	1217 Santa Clara Hall	PowerPoint Presentations (~20 min/each)	4-7 (16 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.
Construction Management	CM 129	1 – 4 pm	Santa Clara Hall Breezeway	Poster Presentations (open format)	4-5 (7 teams)	Shope	Teams consider technical, legal, business and human factors (including safety) in applying the functional approach to the management of construction organizations, projects, and operations. .
Electrical & Electronic Engineering	EEE 192A/ EEE 192B	2 - 5 pm	Univ. Union, Redwood Room	Poster Presentations (open format)	4-5 (4 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 (4 teams)	Mearns	
Electrical & Electronic Engineering / Computer Engineering	EEE 193A/ CPE 190	2 - 5 pm	Univ. Union, Redwood Room	Poster Presentations (open format)	3-5 (10 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 and Demos (open format)	3-5 (11 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	1 – 4 pm	Santa Clara Hall Breezeway	Poster Presentations (open format)	4-5 (18 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.
Mechanical Engineering	ME 191	9 am – 12 pm	Santa Clara Hall Breezeway	Poster Presentations and Demos (open format)	4-5 (25 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.