

San José State University
Mechanical Engineering Department
ME 195A, Senior Design Project I, Fall 2021

Course and Contact Information

Instructor(s):	Section 01 (42915): Prof. Raghu Agarwal, Zoom link ; Password: 143359 Section 02 (42916): Prof. Burford Furman, Zoom link ; Password: 754840 Section 03 (42917) : Prof. Raymond Yee, Zoom link ; Password: 777214 Section 04 (42918) Prof. James Mokri, Zoom link Section 05 (43960) Prof. Syed Zaidi, Zoom link Section 06 (44644) Prof. Cydzik, Zoom link
Contact Information	Prof. Agarwal: office Engr 310D, raghu.agarwal@sjsu.edu Prof. Furman: office Engr 310G, burford.furman@sjsu.edu , (408) 924-3817 Prof. Yee: office Engr 491F, raymond.yee@sjsu.edu Prof. Mokri: james.mokri@sjsu.edu , 831-238-2029 Prof. Zaidi: syed.zaidi@sjsu.edu , 609-558-1227 Prof. Cydzik: edward.cydzik@sjsu.edu 650-954-7278
Office Hours:	Prof. Agarwal: T Th 3:30 – 4:30. Other times by appointment Prof. Furman: Tu Th 1430-1630. Other times by appointment Prof. Yee: Wed 4 pm – 5 pm Prof. Mokri: Wed 4:30 pm – 7:00 pm. Other times by appointment Prof. Zaidi: Wed 4:00 – 5:00 pm (In person/online upon request) Prof. Cydzik: Wed from 6:45 PM - 7:30 PM and by Zoom appointment
Class Days/Time:	Wednesday, 1:30-4:15 pm
Prerequisites:	ME 114, ME 154 and ENGR 100W (with grade C- or better in each) ME 195A&B sequence must be completed in the same academic year
GE/SJSU Studies Category:	Area S

Course Description

First half of a one-year team project carried out under faculty supervisions. Project will proceed from problem definition to analysis, design and validation, experimentation including possible construction and testing.

Course Format

Technology Intensive, Hybrid, and Online Courses

This class requires the use of Canvas, so you will need access to the internet. Most, if not all, assignments during the semester will require the use of a computer for word processing, spreadsheets, computational analysis, CAD drawings, etc. Electronic communication with your instructor and teammates is also required.

Recording Zoom Classes

This course or portions of this course (i.e., lectures, discussions, student presentations) may be recorded for instructional or educational purposes. The recordings will only be shared with students enrolled in the class through Canvas. The recordings will be deleted at the end of the semester. If, however, you would prefer to remain anonymous during these recordings, then please speak with the instructor about possible

accommodations (e.g., temporarily turning off identifying information from the Zoom session, including student name and picture, prior to recording). Students are not allowed to record without instructor permission. Students are prohibited from recording class activities (including class lectures, office hours, advising sessions, etc.), distributing class recordings, or posting class recordings.

Instructor Materials

Materials created by the instructor for the course (syllabi, lectures and lecture notes, presentations, etc.) are copyrighted by the instructor. This university policy (S12-7) is in place to protect the privacy of students in the course, as well as to maintain academic integrity through reducing the instances of cheating. Students who record, distribute, or post these materials will be referred to the Student Conduct and Ethical Development office. Unauthorized recording may violate university and state law. It is the responsibility of students that require special accommodations or assistive technology due to a disability to notify the instructor.

Faculty Web Page and MYSJSU Messaging

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on the [ME195 webpage](#) and/or on [Canvas Learning Management System course login website](#) at <http://sjsu.instructure.com>. You are responsible for regularly checking with the messaging system through [MySJSU](#) on [Spartan App Portal](#) <http://one.sjsu.edu> to learn of any updates.

Course Goals

The overall goals for the course are to:

- 1.

have a complete, optimized design at the end of ME 195A. Scheduling and spreading out your work evenly throughout the semester is a very important. You must attend all Wednesday sessions. Assignments are described on the next page.

Proposal and Progress Reports

The project proposal outlines the deliverables and specifications for your project. Follow the guidelines on the ME 195 website unless otherwise noted by your instructor. Progress reports may be required by individual instructors, and they will provide you with information about required format and due dates.

Presentations

Three group presentations are scheduled throughout the semester. All team members must present and be prepared to answer questions. Guidelines are shown on the [ME 195 website](#).

Individual Writing Assignments

These are assignments based on the seminar/online modules sessions. They are required of all students in ME 195A. Note that each assignment is worth 5% of your total grade, but you **MUST** complete all three individual writing assignments with a minimum of 60% on each to pass the class. Assignment details are posted on

clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.

Grading Information

A letter grade will be assigned to each student by the section instructor at the end of the semester and will be based on evaluation of the following course requirements:

- (5%) Project proposal and progress reports as required
- (25%) Delivery of at least three presentations on achievements and timely progress
- (15%) Individual writing assignments (three total)

Week	Date	Topics, Readings, Assignments, Deadlines	Assignments Due
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