

San José State University
Charles W. Davidson College of Engineering
Department of Mechanical Engineering
ME 295B, Mechanical Engineering Project II, Spring 2020

Course and Contact Information

Coordinator:	Dr. Raghu Agarwal
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Office Hours:	Tuesdays and Thursdays 4:30PM – 5:30PM
Class Days/Time:	TBA
Classroom:	TBA
Sections	Section 1 (21058, Dr. Raghu Agarwal) Section 2 (23505, Dr. Feruza Amirklova) Section 3 (23506, Dr. Fred Barez) Section 4 (23507, Dr. Saeid Bashash) Section 5 (23508, Dr. Winncy Du) Section 6 (23509, Dr. Buff Furman) Section 7 (23510, Dr. Amir Armani) Section 8 (23511, Dr. Crystal Han) Section 9 (23512, Dr. Tai-ran Hsu) Section 10 (23513, Dr. Farzan Kazemifar) Section 11 (23514, Dr. John Lee) Section 12 (24755, Dr. Nicole Okamoto) Section 13 (24756, Dr. Vimal Viswanathan) Section 14 (27126, Dr. Raymond Yee)

Prerequisites: ME 295A *Mechanical Engineering Project I*

Reference: Check the ME Department Website for MSME Program at <http://www.sjsu.edu/me/msme/>

Course Description

Continuation of ME 295A. Students complete the in-depth project, write a detailed engineering report and make a comprehensive presentation.

Course Learning Outcomes (CLO)

Upon successful completion of this course, students will be able to:

1. Conduct a literature review on a topic of engineering research using a full range of information sources
2. Summarize findings and draw valid conclusions from engineering research
3. Present the results of research work in front of peers following accepted presentation methods

4. Document the results of research work in a detailed engineering report following accepted format and style guidelines

Required Texts/Readings

None

Course Requirements and Assignments

All the students are expected to:

- Make an end of the semester presentation.
- Provide an end of the semester report.

Course grades will be issued when the following items are received by the student's committee chair prior to the 'grades due date':

- A copy of the final report approved by the committee chair and signed by all committee members
- A copy of the approved 'Oral Presentation and Grade Form' by the committee members.
- Proof of the regular consulting with the advisory committee.

Important Dates:

- **March 23:** Turn in a 2-page progress update report to the committee.
- **April 27:** Turn in the draft report for initial evaluation to the committee.
- **May 4-12:** Present the project to the committee.
- **May 19:** Turn in the approved final report.

Final Report:

The final report must be prepared (and submitted to the committee chair and the committee members). The final report must follow a professional report writing format, with proper grammar and composition. It must include sufficient review of the state-of-the-art literature, the application of modern tools, and the presentation of experimental or numerical results.

Except for replacing the words "thesis committee" with "project committee" and "thesis" with "project report", respectively, ME 295B report is expected to follow the same formatting guidelines as SJSU M.S. thesis, as defined by Graduate Studies at:

<http://www.sjsu.edu/gup/gradstudies/thesis/guidelines/>

For examples of these minor differences between theses and ME 295 reports, please ask your committee chair for past reports that you can mimic.

Required paperwork for graduation (if ME 295B is your last course towards completing your MSME degree):

- Culminating Experience Memo will be sent by the Graduate Program Advisor directly to Graduate Admissions and Program Evaluations following the receipt of a bound copy of the Final Report.

Grading Information

Evaluation criteria for grading are posted at http://www.sjsu.edu/me/msme/current_students/forms_msme/ under "Thesis/Project Assessment Form B". Each criterion is evaluated by the project committee on a 0.0 and 4.0 scale (as in grade point averages), with 4.0 indicating "A", 3.0 indicating "B", and so on. At the committee's

discretion, determination of scores may be conducted by committee consensus or by averaging of the ratings from each individual committee member.

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/>