

San José State University
Department of Mechanical Engineering
ME 201 Project Planning, Section 01, Fall 2021

Course and Contact Information

Instructor:	Crystal Han
Office Location:	Zoom link provided on Canvas
Telephone:	408-924-6040
Email:	crystal.m.han@sjsu.edu Please always have your email title start with [ME201]
Office Hours:	Tuesdays 9 – 10 am, Wednesdays 12 – 1 pm
Class Meeting Days/Time:	Mondays and Wednesdays 6:00-7:15 PM
Classroom:	Zoom link provided on Canvas
Prerequisites:	Good standing in the MSME program. Not available via Open University.

Course Format

Preliminary Work: Each student is required to identify and begin applying distinct new engineering skills that are likely to contribute meaningfully to the project that is proposed. While some of these skills may have been introduced in prior coursework or industry experience, others might require substantial independent learning. In all cases the intent of this requirement is to customize practical skills for the unique needs of an open-ended project.

This class does not "teach" such diverse skills, but may provide helpful tutorial references and limited advice in some cases. Selection of applicable skills and scope should be guided by advice from prospective project advisors and are subject to instructor approval. Grading will be manifested as a combination of participation tasks and what is reported in the Preliminary Work Report. Some representative examples are listed below, but the list is not intended to be exhaustive.

- Sensor selection, interfacing, and calibration (e.g., strain gauges, thermocouples, load cells, ...)
- Actuator selection, interfacing, and testing (e.g., motors, solenoids, pneumatic cylinders, ...)
- Data acquisition system configuration and testing (e.g., analog vs. digital signals, amplifiers, filters, ...)
- Software coding (e.g., Python, MATLAB, C++, or otherwise...)
- Software-driven instruments

University Policies

y

In accordance with University Policy S16-9

Course Schedule

Subjecto changewith fair