



Senior Design Project Overview

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SJSU Mechanical and Aerospace Engineering

03APR06



What is Senior Design Project?

- Two-semester design course
 - A need → concept → prototype hardware
 - Real-world, open-ended design experience
 - ME 195A (AE 170A for AE students)
 - Fall semester
 - Problem definition
 - Background research
 - Ideation and concept selection
 - Detail design
 - ME 195B (AE 170B for AE students)
 - Spring semester
 - Fabrication
 - Testing



How does it work?

- Prerequisites:
 - ME 195A: ME 114, ME 154, and ME 120 (can be taken concurrently)
 - AE 170A: AE 162, AE 165, ME 130, ME 20, AE 114, AE 167 (may be taken concurrently)
- Form a team
 - Two minimum, up to maybe five depending on the project
- Choose a project and instructor (with approval)



What types of projects are there?

- Industry Sponsored

- Company provides project scope and funding

- obtained by the department or your employer

- MAE Laboratory Development

- MAE provides project scope and funding

- Personal Interest

- Students define project scope and funding



What do I do now?

- Review currently available projects
- Form a team
- Talk to senior project course instructors
 - Prof Agarwal
 - Prof. Du
 - Prof. Furman
 - Prof. Hsu
 - Prof. Mourtos and/or Prof. Papadopoulos (for AE 170)
- Visit the ME 195 website to see summaries of this year's projects (coming soon!)
- Attend Conference Day presentations
 - Friday, May 5, 2006 9 am – 4 pm in E287, E192, E117, or E164

