

Mechanical System Design II (ME 408-101)

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Office Hours: Mon 3:30-5:30 and Wed 3:30-5:30, no appointment for in-person visit (appointment needed for Zoom visit)

Course Summary

ME 408 emphasizes creativity and group coordination in the development of engineering design solutions.

Technical writing and technical briefing are also routine.

Prerequisites: Mechanical System Design I (ME 403)

Text

None (course material included in the downloadable file *BUNDLE.zip*)

DATES	TOPICS
09/09	1. Course Introduction & Types of Engineering Design Problems
09/16	2. The Engineering Design Process
09/23	3. Project Scheduling and Reporting (Proposal Submission Deadline)
09/30	4. Conveying Technical Findings
10/07	Project Status Presentations
10/14	5. Engineering Analysis Approaches, Design Standards, Material Standards & Safety Standards
10/21	Project Status Presentations
10/28	6. Report Review
11/04	Project Status Presentations
11/11	7. Report Review
11/18	Project Status Presentations
11/25	8. Report Review
12/02	Project Status Presentations
12/09	9. Report Review
TBD	Final Project Presentation, Report Submission and Poster Submission Deadline

Grading 70%+5% final project report + poster, 25% project presentations (5 status and 1 final)

A≥90, 90>B≥85, 85>B≥80, 80>C+≥75, 75>C+≥70, 70>D≥60, 60>F

Policies Late submissions and presentation no-shows will be penalized gradewise.

There is a penalty for any violation of the NJIT Honor Code (e.g., plagiarism, lack of member participation in group)

Link for Downloads <http://www.softalink.com/kruss/me408/BUNDLE.zip>