

Mechanical System Design II (ME 408-102)

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Office Hours: Mon 3:30-5:30 and Tues 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 |
|--------------|---|
| 01/21 | 1. Course Introduction & Types of Engineering Design Problems |
| 01/28 | 2. The Engineering Design Process |
| 02/04 | 3. Project Scheduling and Reporting (Proposal Submission Deadline) |
| 02/11 | 4. Conveying Technical Findings |
| 02/18 | Project Status Presentations |
| 02/25 | 5. Engineering Analysis Approaches, Design Standards, Material Standards & Safety Standards |
| 03/04 | Project Status Presentations |
| 03/11 | 6. Report Review |
| 03/25 | Project Status Presentations |
| 04/01 | 7. Report Review |
| 04/08 | Project Status Presentations |
| 04/15 | 8. Report Review |
| 04/22 | Project Status Presentations |
| 04/29 | 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 \geq 90, 90>B \geq 85, 85>B \geq 80, 80>C \geq 75, 75>C \geq 70, 70>D \geq 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>