

Spring 2024

ME 408-102: Mechanical Systems Design II

Kevin Russell

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Russell, Kevin, "ME 408-102: Mechanical Systems Design II" (2024). *Mechanical and Industrial Engineering Syllabi*. 537.

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Mechanical System Design II (ME 408-102)

Instructor: Dr. K. Russell, P.E.

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Office: 333D MEC

Office Hours: Tues 2:30-3:30 and Thurs 3:30-5:30, no appointment for in-person visit (appointment needed for Webex 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
01/16	
01/23	1. Course Introduction & Types of Engineering Design Problems
01/30	2. The Engineering Design Process
02/06	3. Project Scheduling and Reporting (Proposal Submission Deadline)
02/13	4. Conveying Technical Findings
02/20	Project Status Presentations
02/27	5. Engineering Analysis Approaches & Design Standards
03/05	6. Report Review
03/19	Project Status Presentations
03/26	7. Report Review
04/02	Project Status Presentations
04/09	8. Report Review
04/16	Project Status Presentations
04/23	9. Report Review
TBD	Final Project Presentation, Report Submission and Poster Submission Deadline

Grading 70%+5% final project report + poster, 25% project presentations (4 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>