

Mechanical System Design II (ME 408-101)

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

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Office Hours: Mon 3:30-5:30 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
09/11	1. Course Introduction & Types of Engineering Design Problems
09/18	2. The Engineering Design Process
<b>09/25</b>	3. Project Scheduling and Reporting ( <b>Proposal Submission Deadline</b> )
10/02	4. Conveying Technical Findings
<b>10/09</b>	<b>Project Status Presentations</b>
10/16	5. Engineering Analysis Approaches & Design Standards
<b>10/23</b>	<b>Project Status Presentations</b>
10/30	6. Report Review
<b>11/06</b>	<b>Project Status Presentations</b>
11/13	7. Report Review
<b>11/20</b>	<b>Project Status Presentations</b>
11/27	8. Report Review
<b>12/04</b>	<b>Project Status Presentations</b>
12/11	9. Report Review
<b>TBD</b>	<b>Final Project Presentation, Report Submission and Poster Submission Deadline</b>

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>