

## ME 339 -- Fundamentals of Mechanical Design

Prerequisites: Mech 234 – Engineering Mechanics

Text: David H. Myszka, Machines and Mechanisms: Applied Kinematic Analysis, 4th Ed., Prentice-Hall, ISBN:9780132157803 .

Grading: Homework - 30%  
Midterm Exams #1 and #2 - 20% each  
Final Exam - 30%

<b>Week</b>	<b>Topic</b>	<b>Reading Assignment</b>
1-2	Linkages: position analysis	Chapters 1, 4
3-4	Linkages: velocity and acceleration	Chapters 6, 7
5	Review, Exam 1	
6	Cams	Chapter 9
7-8	Gears and Gear Trains	Chapter 10
9	Belt and Chain Drives	Chapter 11
10	Review, Exam 2	
11-12	Screw Mechanisms	Chapter 12
13-14	Force Analysis, Review	Chapters 13, 14
15	Final Exam	