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Course Overview

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• We will use algebra and trigonometry to solve problems from fundamental concepts of physics
• Most of the time will be spent on Mechanics and Dynamics
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- We will use algebra and trigonometry to solve problems from fundamental concepts of physics
- Most of the time will be spent on Mechanics and Dynamics
- Then introduce Fluid Dynamics and Thermodynamics
Why You Need to Take This Course?

You will learn to apply fundamental concepts of physics to solve problems encountered in everyday life or in your job.
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• Physics Teaches You to Think and Puts Your Math to Use!
• Please don’t worry about exams!
Course Structure

There will be three main sections in the course:

• First section: units of measurements and kinematics
• Second section: mechanics and dynamics (Newton's law and etc.)
• Third section: introduction to fluids and gases, introduction to temperature and heat
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Homeworks and Exams

There will be homework every week

• Homework will count towards 25% of the final grade
• Missed attendance will affect your homework contribution to the final grade (see syllabus)
• If you get a perfect attendance, then I will add 1-2 points to upgrade your final grade

There will be three exams during this course
• Exams will count towards 75% of the final grade
• The highest grade will count 50% and second highest grade will count 25%
• The lowest grade exam will be dropped.
• Exams will be closed book but you are allowed to bring 1 page handwritten note to the exam. Printouts and pictures are not allowed.
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Academic Honor Code

- Being a student of higher standard, you pledge to embody the principles of academic integrity.
- If you are planning to use phones/tablets during class sessions, please don’t disturb other students.
• We will use WILEYPLUS on-line service for homework, link is included in the syllabus
• Students needing testing or classroom accommodations are encouraged to discuss their needs soon.
• Exam dates: Dec 14, Jan 25 and Feb 22
• Exams may shift depending on the progress of the class and will be notified in advance
• You are encouraged to keep up with the course schedule by reading textbook sections covered in the class