

Lecture 1, Sep 9, 2021

Classical Mechanics: Overview

- The study of objects in motion and the influence of forces on them
- Course involves review using calc and more advanced topics, symmetries of situations
 - Learn the difference between hypotheses, assumptions, and derived relations
- Physics is about testing falsifiable hypotheses: learn by disproving hypotheses; uncertainties are very important

Course Resources

- Quercus homepage (course materials incl. visuals, problem sets, grades)
 - Primary source: [Link](#)
- Piazza (online discussion forum between peers and TAs)
- Textbook and MyMastering (eText: Principles and Practices of Physics (Mazur))
 - Includes problem sets for grades and practice problems not for grades
 - Setup: [Link](#)

Grade Breakdown

- 10% Problem sets
- 25% Labs
- 30% Term tests (early Oct, mid Nov)
- 35% Final exam

TODO:

- Set up Piazza
- Set up MyMastering
- Read ch 1-3 in textbook (focus on ch 2-3)
- Problem set PS0 (due Sep 16, 11:59pm)

First Deliverables

- PS0 due Sep 16
- PS1 due Sep 24
- First lab writeup due early Oct