

PHYS 3230: Classical Mechanics II
Slot 18, Section 001
Tuesday and Thursday 10:30-11:45
Lecture Room: C-4036

Instructor

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Textbook

Classical Mechanics by John R. Taylor

Webpage

All assignments and course information will be posted on the course D2L page

Evaluation Scheme

-assignments (4-5) altogether worth 30% of the total mark;
-one mid-term test, worth 25% of the total mark, scheduled for February 14;
-final examination, worth 45% of the total mark.

Outline

- 1) Chapter 9: Mechanics in Noninertial Frames
- 2) Chapter 10: Rotational Motion of Rigid Bodies
- 3) Chapter 13: Hamiltonian Mechanics (with a short review of Chapter 7: Lagrangian Dynamics)
- 4) Chapter 16: Continuum Mechanics
- 5) Chapter 11: Coupled Oscillators and Normal Modes
- 6) Chapter 14: Collision Theory (time permitting)
- 7) Chapter 15: Special Relativity (time permitting)