Subject: Physics
Course Number: 220
Section Number: 12799
Name of Class: Mechanics of Solids and Fluids
Instructor: Michaels
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Semester: Fall 2014
Class Starting Date: August 25
Class Ending Date: December 13

Class Description: First semester of calculus-based physics for scientists and engineers, covering topics in mechanics of solids and fluids.

Textbook and Access code information, including costs: Textbook: Physics for Scientists and Engineers with MasteringPhysics 3rd ed., by Knight is available from the bookstore. MasteringPhysics IS required.

Other Course Materials Required: Simple calculator.

Initial instructions for beginning of class: A mandatory orientation will take place during the first hour of the first lab.

Testing regulations (included proctoring guidelines link): All exams will take place on campus during lab time.

Course Management System Information: Much of the class material and part of weekly homework is found on Blackboard. Weekly homework from textbook is submitted using MasteringPhysics.

Student Learning Outcomes: 1. Reason qualitatively and logically about physical phenomena using scientific models. 2. Apply Newtons laws and the principles of energy conservation to problems involving linear, rotational, oscillatory and other types of motion. 3. Conduct experiments using instruments to measure and examine object motion in the context of Newtons laws and the principles of energy conservation, and formulate meaningful conclusions based on the physical data.


Other:

DSPS Information: