

# PHYS 185 ★ Physics I

Evening College – Fall Term 2008

**Instructor:** Eric Scheidly

**Office:** 902 Disque Hall

**Mail:** Physics Office, Disque Hall 8<sup>th</sup> Floor

**E-Mail:** [scheidly@newton.physics.drexel.edu](mailto:scheidly@newton.physics.drexel.edu)  
[scheidy@drexel.edu](mailto:scheidy@drexel.edu)

Covers vectors; statics, kinematics, and classical dynamics, including Newton's laws, torque, projectile motion, and circular motion; work; power and energy; impulse and momentum; and rotation, in a calculus-based course.

Meetings	Topic	Sections	Problems
9/23	Motion in One Dimension	Ch.2: 1 - 7	5, 13, 22, 31, 40
9/30	Motion in Two Dimensions	Ch.3: 1 - 6	11, 14, 16, 44, 47
10/7	Laws of Motion	Ch. 4: 1-7	22, 24, 28, 30, 41, 43
10/14	Exam #1		Homework #1 is Due
10/21	More Newton's Laws	Ch.5: 1-5	12, 13, 19, 29, 39, 43
10/28	Energy	Ch.6&7: 1 - 8	Ch6: 12, 16, 27 Ch7: 51, 53, 58, 60
11/4	Momentum	Ch8: 1 - 9	5, 16, 18, 24, 47
11/11	Exam#2		Homework #2 is Due
11/18	Rotation	Ch.10: 1 - 11	59, 61, 62, 65, 72, 76
12/2	Gravitation	Ch.11: 1 - 4	17, 26, 28, 30, 59
12/9	Final Exam		Homework #3 is Due

**Weight Distribution:** Homework: 10% Exam 1: 30% Exam 2: 30% Final: 30%

TEXT: *Principles of Physics.* Serway & Jewett

Homework problems are due exactly according to the syllabus, either submitted in person or via email.

**NO LATE ASSIGNMENTS OR EXAMS WILL BE ACCEPTED WITHOUT PRIOR ARRANGEMENT. IF YOU ARE GOING TO MISS AN EXAM DUE TO ILLNESS OR OTHER LEGITIMATE REASON, YOU MUST GIVE ADVANCE NOTICE.**

In the case that two or more students submit work that is obviously a duplicate of or excerpted in whole or in part from the work of any other student or students, all of the students involved will receive no credit for the assignment or exam in question.

Additional course information is available at: [www.physics.drexel.edu/~scheidly](http://www.physics.drexel.edu/~scheidly)