

Instructor: Dr. Antonios Balassis

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Office Hours: Mon-Thu 12:00-1:00, *other hours by appointment or drop-in*

Lectures: Mon, Tue, Wed & Thu 9:00-12:00, Freeman Hall 105 (Mon June 25 through Thu June 28 at Freeman Hall 108)

Text: *Physics for Scientists and Engineers*, by Douglas C. Giancoli (4th edition, Prentice Hall 2007).

Grading: Three exams that will count equally to the final grade.

Make up exam will be given only for documented excused absences after the submission of the required documentation to the Dean as described at Fordham's student handbook.

Important suggestions for succeeding in the course

PHYS 1701 is a challenging course that requires a large amount of work on your part to achieve a good grade. You will not succeed unless you attend the lectures, study regularly, practice a lot and discuss your questions with me and your classmates. Studying just few days before the exams will not result in a good grade.

Tentative Outline

- Kinematics in one, two and three dimensions
- Newton's laws of motion, friction, circular motion, gravitation
- Work and energy, conservation of energy
- Linear momentum
- Rotational motion, angular momentum
- Static equilibrium, elasticity, fluids
- Oscillations
- Wave motion
- Sound
- Ideal gas, kinetic theory of gases, heat and laws of thermodynamics

Procedures for Documenting Excused Absence

Personal Illness and Death in the Immediate Family: In case of personal illness, verification will be accepted from a physician writing on official letterhead or prescription pad or from the Fordham Student Health Center. In case of death, a letter from a family member or other appropriate verification is required. These documents should be sent to the Class Dean of the student's home school as soon as possible. The Class Dean will notify the instructors of the student's situation.

Religious Holidays: Students who are absent due to religious holiday(s) should notify their instructor in writing preferably at the beginning of the semester, but no later than two weeks prior to any affected class session.