Learning outcome: build a strong understanding of introductory physics concepts using calculus, learn how to use simple models to describe real-world phenomena, break down problems and study them with the aid of a few basic principles.


Grading: Three exams that will count 25% each, online homework 25%, extra credit for class participation.

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.

Course schedule (classes start at May 26):

Week 1: Kinematics in one, two and three dimensions (Chapters 1,2,3)
Week 2: Newton’s laws of motion, friction, circular motion, gravitation (Chapters 4,5,6) - first exam
Week 3: Work and energy, conservation of energy, linear momentum (Chapters 7,8,9)
Week 4: Rotational motion, angular momentum, static equilibrium, fluid (Chapters 10,11,12,13) – second exam
Week 5: Oscillations, wave motion, sound (Chapters 14,15,16) – third exam

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.

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 as soon as possible. The Class Dean will notify me of the student’s situation.

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

Participation in University-Sanctioned Activity: There is a variety of activities in which students serve as representatives of the Fordham community. The most visible of these is varsity athletics but others include the debate team, ROTC, presentation of research, the University choir and the dance team. The authorized administrator/director of the activity
will provide a written list of the dates of the activities, including travel time, at the beginning of the semester to each of the students. Students will provide me with the scheduled list of excused absence(s) at the beginning of the semester. I will acknowledge the scheduled absence(s) by signing an accompanying letter. If the actual timing of the event is not known at the beginning of the semester, the authorized administrator should notify me as soon as possible.

**Students with disability**: If you believe that you have a disability that may interfere with your ability to participate in the activities, coursework, or assessment of the object of this course, you may be entitled to accommodations. Please schedule a meeting to speak with someone at the Office of Disability Services (disabilityservices@fordham.edu).