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Physics 1701 R01 (CRN 49567)

Physics 1

Spring 2026

Lecture Professor: Robert Duffin Ph.D.

Office: Freeman Hall - 210

Office Hours: MR 10:30-11:15 am; R 1:15-3:45 pm; and by appointment

Contact Email: rduffin@fordham.edu

Please email me directly from your Fordham email account and not from Blackboard.

Please write your course and section in the subject line.

Lecture Schedule: MR: 11:30 AM – 12:45 PM, January 12 to May 4

Lecture Location: Freeman Hall - 103

Required Text:

Physics for Scientists and Engineers with Modern Physics, Giancoli, 5th Ed., Pearson.

Available for about \$60 as a bundle of E-text with online access Mastering Pearson Homework directly from Pearson using course code: <https://mlm.pearson.com/enrollment/duffin44919>.

Course material is on your Blackboard course website.

Pearson Online Homework

Mastering Physics Student Registration Instructions are posted on Blackboard.

Text is also available through Fordham Bookstore at Rose Hill.

Reading and Homework Assignments

Read chapters before day of lecture so as to be prepared to learn and understand

See **Syllabus** for chapters to read ahead of class, and online homework due date/time.

Go to **Mastering Physics course site on Pearson** for Homework assignments:

<https://mlm.pearson.com/enrollment/duffin44919>

Course prerequisite: An inquisitive mind!

Grading:

Midterm exam is worth 25% (Chapters 1 – 9)

Final exam is comprehensive and is worth 30% (Chapters 1 – 14 and 17 – 20)

Online Mastering Physics Homework: 20%.

Quizzes: 20%

Attendance/Participation: 5%

A: 93% and above

A-: 90-93%

B+: 87-90%

B: 83-87%

B-: 80-83%

C+: 77-80%

C: 73-77

C-: 65-73%

D: 50-65%;

F: Below 50%

Exams and classroom protocol

Exams are in-person in the normal lecture hall (i.e. in FR103). There are NO make-up exams, homework or quizzes.

A missed exam for whatever reason counts as a zero. For very special reasons, an exception will be made by offering a much more challenging exam.

I will maintain a Blackboard site for this course (do not send emails from blackboard).

Send all email communication from your Fordham e-mail account to rduffin@fordham.edu

Academic honesty will be strictly enforced. Any form of cheating on exams will result in a zero for that exam. Phones, watches, notes off-desks and out of reach during exams.

Good classroom protocol will be demanded. This includes arriving to class on time, minimal disruptions: no talking/moving in the class “just because”; and cell phones off! Laptops closed! We are a large group. Please be considerate and respectful! No Graphing calculators

Absences

As per the FCRH policy, students cannot miss more than **two** classes. Missing more than **two** will damage your attendance grade. Absences for reasons of religious holidays, serious illness, death in the student's immediate family, or required participation in a University sponsored event are, with the appropriate documentation, excused absences, and students will be given an opportunity to make up class examinations or other graded assignments. To get an absence excused, you must complete the Excused Absence Form at this link: <http://tiny.cc/ferhexcusedabsence>. **If you miss a week of class, I will reach out to your class dean and to your core advisor to express my concern.** It is your responsibility to find out what was discussed in the class(es) you missed. Please review the attendance policy here: <https://bulletin.fordham.edu/undergraduate/academic-policies-procedures/student-attendance/>

Academic Integrity

Please familiarize yourself with the <https://www.fordham.edu/resources/policies/academic-integrity-policy/standards-of-academic-integrity/>

The policy notes that:

“Academic integrity is the pursuit of scholarly activity in an honest, truthful, and responsible manner.

Violations of academic integrity include, but are not limited to, plagiarism, cheating on exams, falsification, unapproved collaboration, and destruction of library materials.”

You may discuss homework problems with other students, but the work that you submit should be your own, in your own words. Collaboration with others during exams is prohibited. If you violate the policy, you will receive a grade of 0% on the assignment or exam.

Accommodations

If you are a student with a documented disability and require academic accommodations, you need to register with [Fordham's Office of Disability Services](#) (ODS) in order to request academic accommodations for your courses. Please contact the main ODS office at Rose Hill at

718-817-0655 to arrange services. Staff at ODS can walk you through the process and arrange appointments depending on which campus you take courses at. Accommodations are not retroactive, so you need to register with ODS prior to receiving your accommodations. Please see your instructor after class or during office hours if you have questions or would like to submit your academic accommodation letter.

Chosen name/pronoun policy

Some members of the Fordham community are known by a name that is different from their legal name. Students who wish to be identified by a chosen name can contact their professor in via email to request their chosen name and pronoun be used.

Counseling and Psychological Services

CPS provides a range of services to help students address and cope more effectively with their stress and psychological concerns. You are encouraged to stop by or call the office to make an appointment. Office hours are Monday–Thursday, 9 a.m. – 7 p.m.; Friday, 9 a.m. – 5 p.m.

441 East Fordham Road
O'Hare Hall Basement
Bronx, NY 10458
Phone: 718-817-3725

At Rose Hill, the Fordham University Emergency Medical Service (FUEMS) is available 24 hours a day and can be contacted by calling the Department of Public Safety at 718-8172222.

Tutoring and Assistance

You should not hesitate to call or e-mail your instructor if you have any questions, especially about homework problems. Please start homework early so that you will have time to ask questions in class, in office hours, or by e-mail. You should also stop by your instructor's office (make an appointment if office hours do not fit your schedule) if you have any questions or want to go over some of the material. We are here to help you learn and understand! **Please let us know if there is anything we can do to help make our classroom as inclusive as possible for learning and participating.**

Tutoring is available. Visit the Physics Department for information.
Additional info will be shared when available.

Attendance requirements

Turn off all cellular phones, wireless devices, computers, and messaging devices of all kinds during lecture and exams. Please do not eat, drink, or create noise in class that interferes with the work of other students or instructors. Creating noise or otherwise interfering with the work of the class will not be tolerated.

Week/Date		Chapter	Lecture Material	Online HW Due 11:59pm
1	M Jan 12	1, 2	Sig Fig, Conversion Factors, 1D Kinematics	
	R Jan 15	3	Vectors, 2D and 3D Kinematics, Proj. Motion	HW1: Jan 19
2	M Jan 19	No Class	University Closed - Martin Luther King Day	No Class
	R Jan 22	4	Newton's Laws of Motion	HW2: Jan 28
3	M Jan 26	4	Newton's Laws of Motion	
	R Jan 29	Quiz 1	Quiz 1 (Chapter 1-4)	Quiz 1
4	M Feb 2	5	Friction, Circular Motion; Newton's Laws	
	R Feb 5	5	Friction, Circular Motion; Newton's Laws	HW3: Feb 8
5	M Feb 9	6	Gravitation	
	R Feb 12	7, 8	Work and Energy; Conservation of Energy	HW4: Feb 18
6	M Feb 16	No Class	University Closed - Presidents Day	No Class
	T Feb 17	7, 8	Work and Energy; Conservation of Energy	Monday Schedule
	R Feb 19	Quiz 2	Quiz 2 (Chapter 5-8)	Quiz 2
7	M Feb 23	9	Linear Momentum	
	R Feb 26	9	Linear Momentum; Cons of Mom; Collisions	HW5: Mar 1
8	M Mar 2	Midterm	Midterm (Chapters 1 to 9)	Midterm
	R Mar 5	10	Rotational Kinematics and Dynamics	
9	Mar 9 -15	No Class	Spring Break	No Class
10	M Mar 16	10	Rotational Kinematics and Dynamics	HW6: Mar 18
	R Mar 19	11	Angular Momentum; General Rotation;	
11	M Mar 23	11	Angular Momentum; General Rotation;	
	R Mar 26	12	Static Equilibrium; Elasticity and Fracture	HW7: Mar 29
12	M Mar 30	13	Fluids	
	Apr 2 - 5	No Class	Easter Recess	No Class
13	R Apr 9	13	Fluids	HW8: Apr 12
14	M Apr 13	Quiz 3	Quiz 3 (Chapter 10-13)	Quiz 3
	R Apr 16	14,17-18	Oscillations; Ideal GasLaw;KinTh of Gasses	
15	M Apr 20	14,17-18	Oscillations; Ideal GasLaw;KinTh of Gasses	HW9: Apr 22
	R Apr 23	18- 20	Thermodynamics	
16	M Apr 27	18- 20	Thermodynamics	HW10 Apr 29
Tentative date of Final:			Monday May 4: 1:30-3:30pm	Final (Ch. 1-14, 17 - 20)