

PHYSICS 121.4 -General Physics I - Spring 2017, sections 01, 02

An algebra-based physics course about linear and circular motion, forces, fluids, heat, and the applications of physics for students in life sciences, pre-health professions, and liberal arts.

You must also separately register for the Physics Lab, Physics 121.1, which is treated as a separate class.

This is a challenging course. You must do a lot of reading, attend lectures and problem solving sections, and develop your own self-directed problem-solving skills. There is no easy road to success in physics - for most of us, it requires a lot of hard work. You will learn new concepts from physics and also see how the approach that physicists use can give you a new perspective on the world.

Lecture/Recitation: Monday & Wednesday, 1:40–3:30 PM in Science Building Room C201 (starting 2/1/2016 in Remsen Room Dr. Larry Liebovitch: <http://people.qc.cuny.edu/Faculty/Larry.Liebovitch/>

Office Hours: Monday/Wednesday 12:30-1:30 PM in SB B322

Textbook: Hugh D. Young. College Physics: Sears & Zemansky's, 10th Edition, Pearson, 2016

DISCOUNT FOR QUEENS COLLEGE STUDENTS at: <http://www.physics.qc.edu/current/>

Lecture Videos, PowerPoint, Words, Equations, Examples, Journal Questions at:

<https://drive.google.com/drive/u/1/folders/0BxKjzHTZ7PXHbWtYczVNR0pjUnc>

Attendance in Lecture and Recitation is required and attendance will be taken

Grading Policy:

Homework: 20%

Each week **Mastering Physics:** <http://www.masteringphysics.com> Course ID: **MPLIEBOVITCH38150**

Must be submitted on time, no credit for late homework

Exams: 60%

each 15%: 3 in-class, 1 final exam

Student video: 10%

Solutions to 2 homework problems

Personal journal: 10%

Responses to questions given each week in lecture

Week	Monday	Topic	Chapter	Wednesday	Topic	Chapter
1	1/30/17	INTRODUCTION 10^x, Units, Vectors	0,1	2/1/17	Recitation/Problems	
2	2/6/17	Distance, Velocity, Acceleration	2	2/8/17	Recitation/Problems	
3	2/13/17	NO CLASS	College Closed	2/15/17	2-D Motion	3, Monday Schedule
4	2/20/17	NO CLASS	College Closed	2/22/17	Exam #1	
5	2/27/17	Newton's 3 Laws	4	3/1/17	Recitation/Problems	
6	3/6/17	Forces: Equilibrium & Motion	5	3/8/17	Recitation/Problems	
7	3/13/17	Circular Motion	6	3/15/17	Recitation/Problems	
8	3/20/17	Work and Energy	7	3/22/17	Exam #2	
9	3/27/17	Linear Momentum	8	3/29/17	Recitation/Problems	
10	4/3/17	Recitation/Problems	0-8	4/5/17	Recitation/Problems	
11	4/10/17	NO CLASS	Spring Recess	4/12/17	NO CLASS	Spring Recess
12	4/17/17	NO CLASS	Spring Recess	4/19/17	Angular Motion & Dynamics	9,10
				4/20/17	Recitation/Problems	Monday Schedule
13	4/24/17	Oscillators & Waves	11,12	4/26/17	Exam #3	
14	5/1/17	Fluids	13	5/3/17	Recitation/Problems	
15	5/8/17	Tempertature & Heat	14,15,16	5/10/17	Recitation/Problems	
16	5/15/17	Review Lecture for Final Exam		5/17/17	Review Problems for Final Exam	
		FINAL EXAM May 19-26, 2017				