

Physics 161 – Sections 0401-0407
General Physics: Mechanics and particle dynamics

Spring 2015

Instructor:

T.R. Kirkpatrick
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TEXT: Physics for Scientist and Engineers (Third Edition) - A Strategic Approach
by Randall D. Knight.

CLASS MEETINGS:

	Time	Location
Lecture:	MW: 7:00pm-8:15pm	Phys 1412

OFFICE HOURS:

Name	Email	Place	Phone	Time
Prof. Kirkpatrick	tedkirkp@umd.edu	IPST-1110	301-405-4801	M: 3:00pm- 5:00pm

You may also meet with the instructor by appointment.

ELECTRONIC CALCULATORS:

The homework and exam problems require an electronic calculator with scientific functions: trig, log, exponential and arbitrary roots and powers.

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HOMEWORK

The weekly homework problem sets, and their due dates, are on the Mastering Physics website.

MASTERING PHYSICS: We will be using Mastering Physics for assignments and managing the course. To register for the course on [Mastering Physics](http://www.masteringphysics.com) go to their website (<http://www.masteringphysics.com>). You will need your student ID and the following course ID: MPKIRKPATRICK69021. Use of Mastering Physics will begin with the first assignment so sign up soon.

EXAMS

There will be 3 exams given during the lecture period on the dates shown in the attached schedule. All exams are closed-book exams. A 3x5 index card formula sheet will be allowed for each of the exams. In computing your course grade, the lowest score (after normalization) of the three in-class exams will be dropped. The final exam will be based on the entire semester's work; the material covered in the in-class exams is indicated on the schedule. Make-up exams will not be given.

QUIZZES

Starting the week of February 9 a 10-min quiz will be given during recitation every week except those weeks in which hour exams are scheduled. Each quiz will consist of a slightly revised problem from the homework due the previous week. Make-up quizzes will not be given; however, your lowest quiz score will be dropped.

GRADE

The course grade will be based on homework, quizzes, in-class exams, and the final exam. Each exam will be normalized so that the average grade is 70. Similarly, the total quizzes and homework will be normalized so that the average grade is 70.

2-highest in-class exams:	40%
Quizzes (drop lowest)	10%
Homework (drop lowest)	15%
Final Exam:	35%

The final grade will follow previous Phys 161 distributions. Roughly, 24% A, 39% B, 29% C, 4% D, and 4% F.

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LECTURE AND EXAM SCHEDULE

Day	Date	Lecture will cover chapters	Notes
Monday	January 26, 2015	Chapter 1	
Wednesday	January 28, 2015	Chapter 2	
Monday	February 2, 2015	Chapter 3	
Wednesday	February 4, 2015	Chapter 4	
Monday	February 9, 2015	Chapter 4	
Wednesday	February 11, 2015	Chapter 5	
Monday	February 16, 2015	Chapter 6	
Wednesday	February 18, 2015	Chapter 7	
Monday	February 23, 2015	Review	
Wednesday	February 25, 2015	Exam I	Chapters 1-7
Monday	March 2, 2015	Chapter 8	
Wednesday	March 4, 2015	Chapter 8	
Monday	March 9, 2015	Chapter 9	
Wednesday	March 11, 2015	Chapter 9	
Monday	March 23, 2015	Chapter 10	
Wednesday	March 25, 2015	Chapter 10	
Monday	March 30, 2015	Chapter 11	
Wednesday	April 1, 2015	Chapter 11	
Monday	April 6, 2015	Review	
Wednesday	April 8, 2015	Exam II	Chapters 8-11
Monday	April 13, 2015	Chapter 12	
Wednesday	April 15, 2015	Chapter 12	
Monday	April 20, 2015	Chapter 12	
Wednesday	April 22, 2015	Chapter 13	
Monday	April 27, 2015	Chapter 13	
Wednesday	April 29, 2015	Chapter 14	
Monday	May 4, 2015	Chapter 14	
Wednesday	May 6, 2015	Review	
Monday	May 11, 2015	Exam III	Chapters 12-14

FINAL EXAM: Friday May 15, 2015 - 6:30pm – 8:30pm