

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

**Spring 2016**

**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:**

	<b>Time</b>	<b>Location</b>
Lecture:	MW: 7:00pm-8:15pm	Phys 1412

**OFFICE HOURS:**

<b>Name</b>	<b>Email</b>	<b>Place</b>	<b>Phone</b>	<b>Time</b>
Prof. Kirkpatrick	<a href="mailto:tedkirkp@umd.edu">tedkirkp@umd.edu</a>	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: MPKIRKPATRICK50178. 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 1 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**

<b>Day</b>	<b>Date</b>	<b>Lecture will cover chapters</b>	<b>Notes</b>
Monday	January 25, 2016	Chapter 1	
Wednesday	January 27, 2016	Chapter 2	
Monday	February 1, 2016	Chapter 3	
Wednesday	February 3, 2016	Chapter 4	
Monday	February 8, 2016	Chapter 4	
Wednesday	February 10, 2016	Chapter 5	
Monday	February 15, 2016	Chapter 6	
Wednesday	February 17, 2016	Chapter 7	
Monday	February 22, 2016	Review	
Wednesday	February 24, 2016	Exam I	Chapters 1-7
Monday	February 29, 2016	Chapter 8	
Wednesday	March 2, 2016	Chapter 8	
Monday	March 7, 2016	Chapter 9	
Wednesday	March 9, 2016	Chapter 9	
Monday	March 21, 2016	Chapter 10	
Wednesday	March 23, 2016	Chapter 10	
Monday	March 28, 2016	Chapter 11	
Wednesday	March 30, 2016	Chapter 11	
Monday	April 4, 2016	Review	
Wednesday	April 6, 2016	Exam II	Chapters 8-11
Monday	April 11, 2016	Chapter 12	
Wednesday	April 13, 2016	Chapter 12	
Monday	April 18, 2016	Chapter 12	
Wednesday	April 20, 2016	Chapter 13	
Monday	April 25, 2016	Chapter 13	
Wednesday	April 27, 2016	Chapter 14	
Monday	May 2, 2016	Chapter 14	
Wednesday	May 4, 2016	Review	
Monday	May 9, 2016	Exam III	Chapters 12-14

**FINAL EXAM: Friday May 13, 2016 - 6:30pm – 8:30pm**