

Physics 2010/2020 - General Physics - Summer 2012

LECTURER	Rich Ingebretsen
OFFICE	Physics Dept. Library (JFB 212)
OFFICE HOURS	M W F after class
OFFICE PHONE	801-581-7166
email	richi47@comcast.net
SECRETARY	Mary Ann Woolf, 205 JFB, 801-581-4246, woolf@physics.utah.edu
MARSHALL	Ren Pankovich, ren.pankovich@utah.edu
LECTURE TIME	M-F 8:00 a.m. to 9:30 a.m. (WEB L101) <i>Monday through Friday</i>
DISCUSSION	M-F 10:00 a.m. to 11:30 <i>Monday through Friday</i>
EXAMS	Every Friday, 12:00 p.m. to 2:00 p.m., HEB 2008 (all exams)
FINAL EXAMS	(2010) Friday, June 22, 12:00 - 3:00 p.m., HEB 2008 (2020) <i>Wednesday, August 1, 12:00 - 3:00 p.m., S Beh Aud</i>
HOLIDAYS	Monday, May 28 (Memorial Day) Wednesday, July 4 (Independence Day) Tuesday, July 24 (Pioneer Day)
COURSE WEB PAGE	http://www.physics.utah.edu/index.php/courses/summer-course-webpages
WebAssign	https://www.webassign.net/utah/login.html

Discussion

Discussion sections meet at 10:00 and run until 11:30. You will also get your exams back in that section.

2010-002	AEB 340	Kyle Arslanian
2010-003	LCB 215	Andrew Perry
2010-004	WEB L120	Nick Slowey
2010-005	WBB 617	Thomas Stucky
2010-006	JTB 110	Ramneet Nagi

Text

Physics - Cutnell and Johnson, 9th Edition There are other supplementary texts that are optional. Selected solutions, interactive learning, and other material can be found at: www.wiley.com/college/cutnell. The text (e-book) is purchased through an online homework environment called WebAssign. The bookstore will NOT be carrying any hardcopies of the text. The charge for this approach to the text (e-book) purchase is \$36.00 per student per semester which includes the homework. Payment **MUST** be made as a credit card purchase that is explained when you first log into WebAssign. You will be given some grace period before payment must be submitted in order for you to maintain access to WebAssign. Finally, if you feel the need to have a real book in your hands when you wish to read material from the text, there are two options offered. First, the Physics Department has a number of earlier editions of the same text for your use in the department library on the 2nd floor of JFB and in the study area for Physics 2010, JFB 325. Those texts must remain in the rooms you use them. The second option is to purchase a copy of an earlier edition of the text, say the 5th, 6th, 7th, or 8th edition online. Depending on the edition you should be able to obtain the text for less than \$10.00.

Prerequisites

Trigonometry
College algebra

Assistance

1. Discussion instructors will be available in the **help lab**, which is located in 325 James Fletcher Building. The hours will be posted on the course web page. You will have the opportunity to get assistance, along with help from other students. More information will be given about this later.
2. Rich Ingebretsen - do not hesitate to come in if you are having problems.
3. Cutnell and Johnson's web page at: www.wiley.com/college/cutnell

4. Classmates are often excellent sources for help. Be sure you get one or two phone numbers of classmates for help, clarification of notes, updating, items missed, a shoulder to cry on, etc. Group study has been shown in a large number of studies to be an effective method for students to be successful learners in a demanding subject.
5. WebAssign forum.

Course Mechanics

- A. **Exams:** There will be five midterm examinations given on Fridays at 12:00 p.m. **No exams will be dropped when determining your grade. You must take every exam.** In addition, **there will be no make-up or early exams given.** Exam coverage will be from the previous exam to that work most recently covered in discussion. The exams will be mostly problem solving and an occasional interpretative question. Maximum score will be 100 points on each exam.
- B. **Test taking procedures:** Bring a picture I.D. to the test. You may also bring 1 (and only 1) 3 × 5 card (hand-written only) and a calculator. We will not re-grade exams done in pencil. It is too easy to erase and change answers. We suggest that you use an erasable pen. It becomes indelible after several hours. A key to each exam will be posted on the course web page by Monday afternoon. See the address at the top of the page.
- C. **Final:** There will be a comprehensive final exam which covers all the chapters from that semester. Maximum score for the final exam is 250 points. You may bring 2 (and only 2) 3 × 5 cards (hand-written only) and a calculator. You must also bring a picture I.D. to the test.
- D. **Homework/Discussion:** The total homework scores will be scaled to a maximum of 150 points, based on your work in the on-line homework system, WebAssign (<https://www.webassign.net/utah/login.html>). All homework is submitted within the WebAssign environment (You log in to WebAssign using your university id and password.) Do not disregard the importance of the homework part of your course grade. It has the same value as a midterm exam. With a few exceptions, there will be 4 homework assignments each week (Monday, Tuesday, Wednesday and Thursday). Your final HW submission must be done no later than 7:30 a.m. on the next morning. The purpose of the discussion section is to allow you to get all the assistance you need to help you submit finished and correct homework. Do not disregard the importance of the discussion part of the course. In general, students who attend discussion sections regularly, do better in the course. The actual assignments are accessed individually by each student when they enter the WebAssign site (<https://www.webassign.net/utah/login.html>).
- E. **Grading:** The final course grade will be determined by how many total points out of the maximum points you earn. As of the present moment, no course mean has been set. You can anticipate a course mean somewhere near a B- as a traditional mean for this physics course.

Exams	500 points total
Final Exam	250 points total
Homework	<u>150 points total</u>
Total points	900 points total

Re-grading: It is understood that there will be times when you receive a graded exam and you do not understand why certain points have been taken off, how the point deductions were made, an actual grading error was made, or you think the grader missed something. If you have a problem with the exam grading use the following procedure

1. Obtain a re-grade sheet from the course web site. Fill in the form and attach the problem in question to the form (only the problem per form). Be specific about the error. **Give the re-grade sheet to Dr. Ingebretsen.**
2. NOTE: We copy the original exams and compare them to those that are resubmitted for a re-grade.

F. **Adding and Dropping:** Miscellaneous Courses (classes with irregular start and end dates): You may drop (delete) workshops, miscellaneous, and short term courses without tuition penalty according to the following schedule:

Classes 11+ days in length: Through the third day of class

Tuition payment due Wednesday, May 29

A Final Reminder

The summer physics course covers all of the material which is taught during the Autumn and Spring Semesters. We move quickly covering 2 - 3 chapters each week. Where people have had problems in the past it has been due to several factors. One suggestion is to avoid working. For some, this is easier said than done; if you can cut back or quit and devote your time to the course, you will do better. Another problem that comes up each summer is missing class. We move so quickly, that missing one week is approximately the same as missing three or four weeks of class during the regular year. **Try not to miss class.** Much of what is on each exam comes from what is said in lectures. You will have holidays during the summer. Also, homework is due on-line by a specific time--after that time has elapsed you will not be able to submit homework. Don't miss discussion. The TA's are "in tune" to what will be covered on the exams. They are a great resource and will help "prep" you for the course. It is my policy that everyone can get an "A" in the course. The exams are designed to test your knowledge on a particular subject, not to create a "curve." We want you all to do well.

***Students with Disabilities:** The University of Utah Department of Physics seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in this course, reasonable prior notice must be given to the instructor and to the Center for Disability Services, 162 Olpin Union Bldg, 581-5020 (VTDD) to make arrangements for accommodations. You are strongly encouraged to come and talk to the instructor about your disability and necessary accommodations within the first two weeks of the semester.*