Important Websites:

COURSE WEB PAGE  http://www.physics.utah.edu/~woolf/2020_rich.html

WEBASSIGN  https://www.webassign.net/utah/login.html

Prerequisites
Trigonometry—Math 1060
College algebra—Math 1050
General Physics I—Phys 2010

Discussion Sections:

You MUST be enrolled in one of the discussion sections, sections 002 or 003. The only way to enroll in Physics 2020 is through enrollment in a discussion section. You are required to attend the discussion section in which you are enrolled.

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<tr>
<th>Section</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
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<tbody>
<tr>
<td>2020-002</td>
<td>M W 4:35-5:25 PM</td>
<td>LCB 225</td>
<td>Shiyu Nie</td>
</tr>
<tr>
<td>2010-003</td>
<td>T Th 3:05-3:55 PM</td>
<td>LCB 225</td>
<td>Xiaotong Zheng</td>
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Text and Homework:

We will be using *College Physics vol. 2, 1st Ed.* By Freedman, et al. 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 actual homework assignments are accessed individually by each student when they enter the WebAssign website [https://www.webassign.net/utah/login.html](https://www.webassign.net/utah/login.html). You must purchase the homework portion on WebAssign. The cost for the homework portion only is $41.19; for the homework and e-book it is $62.44. Payment **MUST** be made by credit card or Paypal account. This is explained when you first log into WebAssign. You will be given a grace period before payment must be submitted in order for you to maintain access to WebAssign. The grace period ends two weeks after the start of the semester.

If you would like a physical copy of the book, a quick search of the internet will produce several results to rent or purchase a new or used copy of the text. Note that the book comes in paperback or hardcover, and that there are two volumes which may be sold separately, or together. We will only be covering the material from volume 2 for the course, but material from volume 1 (i.e. Phys 2010) will be used as well, so you may find it useful to have both volumes for this course. When you purchase access to the e-book on WebAssign, you are given access to both volumes.

Assistance

1. Discussion instructors will be available in the **help lab**, which is located in JFB 211. 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. 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.

Course Mechanics

A. **Midterm Exams**: There will be five exams given during the course of the semester. The dates are as follows:

1. Wed Sept 13
2. Wed Oct 4
3. Wed Oct 25
4. Wed Nov 15
5. Wed Dec 6

**Test taking procedures**: Bring a picture I.D. to the test. You may also bring 1 (and only 1) 3 × 5 or 4 × 6 notecard (hand-written only) and a calculator. Calculators with connective capability will not be allowed. Cell phones must be silenced and stored at all times. Procedures may be adjusted as necessary. 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.

**Appeals**: If you believe a mistake was made in grading a problem on your exam, you may appeal to have the problem regraded by the course marshal. In this case, the entire page will be regraded. Note that this means your grade on the page could be raised or lowered depending on the judgement of the marshal, thus it is highly recommended that you only use this option if there is a clear and egregious error in the grading.

To make an appeal, follow these steps:

1. Obtain a re-grade sheet from the course web site.
2. **Follow the directions on the re-grade form**. Fill in the form, and be specific as to why you would like the problem regraded. The more specific and relevant to the physics of the problem your statement is, the more likely you are to be awarded more points, however it does not guarantee that you will be awarded more points.
3. Submit the completed re-grade form to Dr. Ingebretsen or Mary Ann (JFB 205). The deadline for submitting re-grade forms is the day of the following exam. It is advised that you submit your form as soon as possible to ensure that your appeal will be considered.

4. Please DO NOT resubmit your exam. We copy the original exams and use those to complete the regrade assessment.

B. Homework: There will be a weekly homework assignment due on Monday before lecture. All homework is to be accessed and submitted through the on-line homework system, WebAssign (https://www.webassign.net/utah/login.html). You will login to WebAssign using your university ID and password. From there you have access to the homework and eBook, as well as any announcements that are posted. It is recommended that you print out homework assignments to work on offline, and then when you’ve completed the assignment go back to WebAssign to submit your answers.

C. Quizzes: Every Wednesday there will be a short quiz given at the end of lecture. The quiz will consist of multiple-choice and short answer questions. These quizzes will serve as a type of “inventory check” to ensure that the most fundamental concepts are understood. A follow-up quiz will then be given at the beginning of the next discussion section (either Wednesday or Thursday, depending on which you are registered for). The first quiz will be taken individually, while the follow-up quiz will be taken in groups.

D. Discussion: The discussion sections will be focused on group work. Groups of 4-6 students will be assigned in discussion on the first day of class. You will remain in these groups for the entirety of the course. They will also work through problems (primarily from the homework) under the guidance of the TA. On Wednesdays/Thursdays there will be a group quiz as discussed above.

E. Grading: The homework, exams, and quizzes will each contribute equally to your overall course grade. You can anticipate that the course average will correspond to a letter grade somewhere around a B-.

F. Adding and Dropping:

Some Final Reminders:

We have found that knowledge of the prerequisite math greatly influences your ability to do well in this class. If you feel like your math is rusty, you might consider taking this course another time. We want you to spend your time learning physics, not fighting against the math to make the physics work.

Try not to miss lecture. Much of what is on each exam comes from what is said in lectures. Also, homework is due on-line by a specific time--after that time has elapsed you will not be able to submit homework.

Try not to miss discussion. The TA's are "in tune" to what is going on in the class. 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 the subject matter, not to create a "curve." We want you all to do well.

Important Dates

Last day to add without permission code is Friday, August 25.
Last day to drop (delete) classes with no tuition penalty is Friday, September 1.
Last day to add classes is Friday, September 1.
Last day to elect CR/NC options is Friday, September 1.
Last day to withdraw from term length classes is Friday, October 20.

Students with Disabilities: The University of Utah Department of Physics and Astronomy 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 (V/TDD) 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.
Wellness Statement: Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a student’s ability to succeed and thrive at the University of Utah. For helpful resources contact the Center for Student Wellness - www.wellness.utah.edu; 801-581-7776

Faculty and Student Responsibilities: All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. Students have specific rights in the classroom as detailed in Article III of the Code. The Code also specifies proscribed conduct (Article XI) that involves cheating on tests, plagiarism, and/or collusion, as well as fraud, theft, etc. Students should read the Code carefully and know they are responsible for the content. According to Faculty Rules and Regulations, it is the faculty responsibility to enforce responsible classroom behaviors, beginning with verbal warnings and progressing to dismissal from class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee. Faculty...must strive in the classroom to maintain a climate conducive to thinking and learning.” PPM 8-12.3, B. “Students have a right to support and assistance from the University in maintaining a climate conducive to thinking and learning.” PPM 8-10, II. A.

Sexual Misconduct: Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran’s status or genetic information. If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to the police, contact the Department of Public Safety, 801-585-2677 (COPS).