Physics 10310 Course Information – Fall 2013

INSTRUCTOR:  
Prof. Hildreth  Office: 414 NSH  office hours: M and/or T pm  phone: 1-6458  e-mail: hildreth.2@nd.edu

Lab Instructor:  
Prof. Berry  Office: 312 NSH  phone: 1-4012  e-mail: berry.20@nd.edu

Course Description

Materials: The textbook is *Physics for Scientists and Engineers*, 9th edition, by Serway & Jewett, published by Cengage Learning, and available as 1 soft-bound volume. You also need to purchase access to Extended WebAssign, which is an online homework, quiz, and supplemental materials site. You will also need any scientific calculator. The web page for this course will be updated regularly (see http://www.nd.edu/~mhildret/phys10310) with new information and resources. Please plan to check this regularly for announcements. This course also has a Sakai course site, on which you will be able to check your grades, and where we will mirror any announcements made to the course web page. This can be found at, and there is also a link from the 10310 home page. Options for purchasing the textbook are as follows:

1. Buy the physical text, Extended WebAssign (EWA), and e-book in the ND Bookstore: $179.75
2. Same as above but buy direct from Cengage: $143.99  
3. Just EWA + e-book: $95.00 (online from Cengage:

EWA comes with the ebook, so if you choose to order your text from Cengage, you can use the ebook until the hard copy arrives. In addition, there are several copies of the text on reserve in the Chemistry-Physics library.

Laboratory: All students in Physics 10310 must also be registered in PHY11310 (laboratory) unless repeating the course. All students report the first week at your scheduled time to Jordan Hall 213 for assignment to groups. Each group meets on alternate weeks through the semester. An unexcused absence from the laboratory normally results in an automatic zero for that day's experiment.

Exams: Three hour-exams of 75 minutes each and a final exam of 2 hours are scheduled as shown on the semester schedule for the course. The three hour-exams formally begin at 8:00 am, but the doors will be opened and the exams may be started at about 7:45. The exams will all be in the Hesburgh Library Auditorium. Set two alarms to be sure you do not oversleep! The final exam will begin at the official starting time given by the University.

Exams are closed book. During exams you may have only calculators, pens, and pencils on your desk. Honesty is expected and under the honor system the primary responsibility for regulation lies with the students. Any student who will be unavoidably absent from an exam must obtain permission in advance to make up the exam at a later date. Travel plans are not a legitimate excuse for missing an exam. If you are ill on the morning of the exam, e-mail or call your professor as soon as possible and get an excuse from the infirmary.

Reading Assignments: Weekly assignments will tell you which sections should be read before coming to each class. The number of pages in each case will be small, but preparing in advance for the class is crucial to the success of this course. There will be weekly reading quizzes administered in WebAssign to make sure you have looked over the material before coming to class.

Homework problems: The homework that you submit weekly (via WebAssign) will constitute 10% of your final grade. You will be allowed up to five submissions of any assignment and your grade for that assignment will be based on the last submission. Each time you submit, the assignment will be graded so that you will know immediately which problems you may have done incorrectly. We strongly encourage you to compile your homework solutions into a notebook. This will prove to be an invaluable study aid in preparing for the exams. A homework assignment submitted after the drop-dead date will be rejected and a zero grade awarded for that assignment. You may work with others in completing the homework assignments. In fact, we encourage you to work with your classmates in attacking the homework. Remember, though, that your friends will not be there to help you on the exams, so make sure that you fully understand what you are doing. See the “Words of Wisdom” for some ideas to test your knowledge.

Discussion Sections: Hour-long recitation sections are scheduled for Tuesdays every week. Attendance at these sections is
required! The discussion sections will include time for questions about the material, but their primary focus will be group problem-solving exercises. Groups of 3 or 4 students will work together to solve unfamiliar problems based on that week's material, and each group will be graded on their work. These discussion sections are designed to help you understand the material and to think hard about the concepts you are learning.

Piazza: Piazza is an on-line communication portal where students can anonymously pose questions. Other students (or the instructor) can answer, and a record of responses is kept. Students are encouraged to use this in order to get more or less instantaneous help on homework problems, selected problems, and other topics in the class. Sometimes you all can answer each other’s questions without needing to come talk to a TA or the instructor. All questions about specific problems that you are tempted to email to the instructor should be posted on Piazza instead. It’s likely that many other people have the same question.

Semester Grade: The final numerical grade will be calculated using the following weighting: exams 40%, homework 10%, Reading Quizzes 5%, laboratory grade 15%, Discussion Sections 10%, final exam 20%. The letter grade scale will be based on the performance of the class as a whole. You will be able to track your grades on the Sakai and WebAssign pages.

________________________________________________________________________________________

PHYSICS 10310: Fall 2013 Course Schedule

Please note: this is an approximate course schedule, except for the exam dates. Due to the interactive nature of the course, the actual dates on which we will begin a new chapter in the text may shift earlier or later depending on your understanding of the material. Each homework assignment is indicated by which chapters will most likely be covered in those problems, eg "HW3" means homework problems from Chapter 3. The required and suggested problems will be handed out with the weekly reading assignments.

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUGUST 26.</td>
<td>27.</td>
<td>28. Chapter 1, Start Chapter 2</td>
<td>29.</td>
<td>30.</td>
</tr>
<tr>
<td>SEPTEMBER 2.</td>
<td>3.</td>
<td>4. Start Chapter 3, 4 (HW1, 2)</td>
<td>5.</td>
<td>6.</td>
</tr>
<tr>
<td>16.</td>
<td>17.</td>
<td>18. (HW4,5)</td>
<td>19.</td>
<td>20. Start Chapter 6</td>
</tr>
<tr>
<td>23.</td>
<td>24.</td>
<td>25. Start Chapter 7</td>
<td>26. HOUR EXAM</td>
<td>27. (HW5,6)</td>
</tr>
<tr>
<td>30.</td>
<td>OCTOBER 1.</td>
<td>2. Start Chapter 8 (HW6, 7)</td>
<td>3.</td>
<td>4.</td>
</tr>
<tr>
<td>7.</td>
<td>8.</td>
<td>9. (HW 7,8)</td>
<td>10.</td>
<td>11. Start Chapter 8</td>
</tr>
<tr>
<td>14.</td>
<td>15.</td>
<td>16. (HW 8)</td>
<td>17.</td>
<td>18.</td>
</tr>
<tr>
<td>21. Fall Break</td>
<td>22. Fall Break</td>
<td>23. Fall Break</td>
<td>24. Fall Break</td>
<td>25. Fall Break</td>
</tr>
<tr>
<td>4.</td>
<td>5.</td>
<td>6. Start Chapter 11 (HW 10)</td>
<td>7.</td>
<td>8.</td>
</tr>
<tr>
<td>DECEMBER 2.</td>
<td>3.</td>
<td>4. Start Chapter 16 (HW15)</td>
<td>5.</td>
<td>6.</td>
</tr>
<tr>
<td>16. FINAL EXAM 8:00 am</td>
<td>17.</td>
<td>18.</td>
<td>19.</td>
<td>20.</td>
</tr>
</tbody>
</table>
Instructions for Registering and Using WebAssign:

This course includes an online homework system called *Enhanced WebAssign*. To complete your assignments you will need to register with WebAssign. This registration process requires 2 items:

1) An Access Code (this was packaged with your text, can be purchased in the bookstore or purchased online from WebAssign directly). This tells the system that you have purchased copy written material from the publisher.

2) A Class Key, which is given here:

```
Course Name: General Physics I
Instructor Name: Hildreth
Class Key: nd 4685 7208
```

To self-enroll for a class:

1. Go to the WebAssign login page (www.webassign.net), and click **I have a Class Key**.

2. Enter the Class Key your instructor gave you, and click **Submit**.

3. On the verification page, check the class information and determine whether or not the correct class and section is displayed.
   - If the correct class and section is listed, click **Yes, this is my class** and go to step 4.

4. If you have an existing WebAssign account, select **I already have a WebAssign account**, type the **Username**, **Institution**, and **Password** for your account, and click **Continue**. You are enrolled in the class and logged in to WebAssign using your existing account.

5. If you do not have an existing WebAssign account, you can create one now.
   a. Select **I need to create a WebAssign account**, and then click **Continue**.

   b. Type the username that you would like to use for your WebAssign account in the **Preferred Username** field, and click **Check Availability** to see if the username that you want is available. Usernames are not case-sensitive, so BobSmith, bobSmith, and bobsmith are all the same username.

   c. After confirming the availability of your new username, type a password in both the **Password** and **Re-Enter Password** fields. Passwords are case-sensitive, so IAmCa3ar is not the same as iamca3ar.

   d. Enter your **First Name**, **Last Name**, and **Email Address**, and optionally your **Student ID Number**.

   e. Click **Create My Account**.

WebAssign confirms that your account has been created. You can click **Log in now** to log in to the new user account and go to your home page. Remember your username and password, because you will need them each time you log in.

Tip: If you forget your password, you can click the **Reset Password** link on the login page. If you forget your username, your instructor can look up your username for you.
Student “Quick Guide” to WebAssign: (the original .pdf file is posted to the course web site)

## 1. Enroll

Either your instructor enrolled you in a class and created a WebAssign® account for you, or she
gave you a class key to enroll yourself and create your own account, if needed.

**I have a class key**

1. Go to [www.webassign.net](http://www.webassign.net) and click **Have a class key?**
2. Enter the class key your instructor gave you and click **Submit**.
3. If the correct class and section is listed, click **Yes, this is my class**.
4. Either provide your existing WebAssign account information or create a new account:
   - Select **I already have a WebAssign account**, enter your account information, and click **Continue**.
   - Select **I need to create a WebAssign account**, enter the requested information, and click **Create My Account**.

**I do not have a class key** You are already enrolled and can log in with your WebAssign account.

## 2. Log In

These instructions apply for most schools. Some schools use alternative login sites.

2. Type your **Username**, **Institution** code, and **Password**.
3. **Click Log In**.
4. If you are enrolled in more than one class, select a class from the **My Classes** menu.

**Note:** The first time you log in, change your password.

### If you can't log in to WebAssign:

- Look up your username
- Change your forgotten password

## 3. Purchase Access

WebAssign gives you free access for two weeks after the start of class. To continue using WebAssign after that, either enter an access code or purchase access online.

**Note:** An Access Code includes with some textbooks verifies that you have already purchased WebAssign access.

### I have an access code

1. Confirm your code is valid on the Access Card Prefix Check page.
2. Log in to WebAssign.
3. Select **enter an access code**.
4. Select your access code prefix.
5. Enter your access code and **click Continue**.

### I do not have an access code

1. Log in to WebAssign.
2. Select **purchase access online and click Continue**.
3. Select items, confirm any license agreements, and click **Enter payment information**.
4. In the PayPal page, provide your payment and contact information and click **Continue**.
5. Review your order and click **Complete Purchase**.
6. Close your receipt and start working in WebAssign.

## 4. Learn

Your current assignments are listed on the **Home** page for each class.

1. Click the assignment name.
2. Answer the assignment questions.

WebAssign supports many different question types. Some questions display a tools palette or open in a new window.
3. Submit your answers.
4. Review your marks and feedback.

Usually you will see ✓ or ✗ for each answer.
5. Change your incorrect answers and submit again.
6. When you are done, always click **Log out**.

© 2013 Advanced Instructional Systems, Inc. (revised July 2013)