PHYS 1211

Introductory Physics for Science and Engineering Students – Mechanics, Waves, Thermodynamics
Fall 2014

Course Instructor: Susanne Ullrich
Office: 243
Class hours: MWF 9:05-9:55
Classroom: 202
Office Hours: M 10:00 – 10:30, M 1:30 – 2:00, additional office hours before tests will be announced in class.


Required online homework system: “Mastering Physics”

Course Format: This course consists of three lectures and one lab per week. Each lecture lasts fifty minutes. Before coming to class, you should have read the current chapter in the textbook. We will cover approx. one chapter per week. It is your responsibility to familiarize yourself with all material covered in class and in the assigned textbook readings including sections that are not covered explicitly in the lecture.

Homework: We will be using the Mastering Physics online homework system. Please register following the instructions that are posted on eLC. Homework will be assigned for each textbook chapter. Due dates for homework assignments and grading details are listed with each assignment on Mastering Physics. Typically, homework assignment will be available for the period we discuss a textbook chapter in the lecture plus a few extra days. Late submissions are possible, however the score is reduced by 20% for each day late. Extra credit problems are available that allow you to make up for lost points on any of the homework assignments. The highest overall homework grade you can obtain is 100% of the homework score, i.e. extra credit cannot be used to improve your other scores. The assignment “Introduction to Mastering Physics” is for practice only and will not count as credit towards your homework grade. I encourage you to take this assignment and explore the features of the homework system, e.g. open hints and submit wrong answers. For any questions regarding homework assignments use the eLC communication tools. For any technical issues contact the MasteringPhysics support.

Reading quizzes: You are expected to read through each textbook chapter before the material is covered in the lecture and take the reading quizzes available on MasteringPhysics.

Tests: There will be three in-class tests on selected chapters and a final exam (comprehensive). The material to be covered in each test and test dates will be announced in the lecture and posted on eLC. It is your responsibility to stay informed about all announcements. Make-up tests will not be given, however, the test with the lowest grade will not be counted for your final course grade. You will be allowed to bring to each test and the final exam, a basic non-programmable calculator, and one original 8.5" by 11" sheet of paper containing constants and formulas that you might find useful (but no complete solutions to problems, no photocopies of book pages/lecture notes). Both
sides of the sheet may be used. The sheet has to be handed in with the test and has to have your name on it. No formulas or constants will be provided on the tests. You are not allowed to use anything else during the test. No computers, tablets, or cell phones. Use of these or other electronic devices during a test is a form of academic dishonesty. If a grade of zero is received as a result of academic dishonesty, that grade will not be dropped.

**Grades:** Your grades will be posted on eLC or Masteringphysics throughout the semester. I encourage you to check your grades regularly and contact me immediately if e.g. any book keeping or grading mistakes occurred.

**Final Grades:** The weight of each factor determining your final grade is as follows:

<table>
<thead>
<tr>
<th>Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>in-class tests:</td>
<td>40%</td>
</tr>
<tr>
<td>final exam:</td>
<td>20%</td>
</tr>
<tr>
<td>homework:</td>
<td>20%</td>
</tr>
<tr>
<td>lab:</td>
<td>15%</td>
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<tr>
<td>reading quizzes:</td>
<td>5%</td>
</tr>
</tbody>
</table>

Bonus points will simply be added to the final score.

Your overall letter grade in this course will be:

- A: 100 – 87
- A-: 86, 85
- B+: 84, 83
- B: 82 – 72
- B-: 71, 70
- C+: 69, 68
- C: 67 – 57
- C-: 56, 55
- D: 54 – 40
- F: 39 – 0

**Missed tests with a legitimate excuse:** Please contact me immediately if you miss/know you will miss any tests with a legitimate excuse. I consider an excuse legitimate if you can provide written documentation (a note on official letterhead signed by an appropriate authority: e.g. doctor). If you miss one test it will be counted as your lowest grade and dropped. If you miss more than one test with legitimate excuses please contact me for special arrangements. If you miss the final exam with a legitimate excuse I will take the average of your two highest test grades as your final exam grade.

**Withdrawal:** The instructor will follow the UGA rules in dealing with requests for withdrawals as published in the UGA Undergraduate Bulletin. You may withdraw from the course with a W until midpoint if an honest effort has been made, i.e. if you have taken the in-class exams and completed a significant number of homework sets.