Course Instructor: Susanne Ullrich
Office: 243
Lab: 103
Phone: 706 542 0344 (office), 706 583 8106 (lab)
E-mail: ullrich@physast.uga.edu
Office Hours: MWF immediately after class


Course Format: This course consists of three classes and one lab per week. Each class 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.

Homework: Homework will be assigned regularly and graded. Homework problems will be posted on WebCT and announced during class. Homework is due at 4pm on the assigned day. You can hand in your homework in class or leave it in my mailbox in the front office. Late homework will not be accepted. The lowest homework grade will be dropped.

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 WebCT. It is your responsibility to stay informed about all announcements. Make-up exams will not be given, however, the in-class test with the lowest grade will not be counted for your final grade.

You will be allowed to bring to each test, a writing instrument, a calculator, and *one* original 8.5" by 11" sheet of paper containing constants, formulas, and other information 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. No formulas or constants will be provided on the tests. You are not allowed to use anything else during the test. No computers, PDAs (Palm Pilots, et al.), 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.
Quizzes: There will be occasional unannounced quizzes consisting of multiple choice problems. If you take the quiz you will receive 0.5 points, if your answer is correct you receive 1 point.

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

- in-class tests: 40%
- final exam: 30%
- homework: 15%
- lab: 15%

Bonus points will simply be added to your 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

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 handed in a significant number of homework sets.
Labs begin the week of August 28 – Sept. 1

If you are retaking the course and are happy with the final lab grade you received previously, you do not have to attend the lab. You do have to remain registered for the lab, but you do not have to attend. Please contact the Lab Coordinator (see contact information below) before the end of the Drop/Add period to let him know that you will not be attending so that the seat may be made available to another student. If you would like to improve your grade, you must do ALL of the lab exercises again.


<table>
<thead>
<tr>
<th>Physics 1111 and 1211 Lab Syllabus</th>
<th>Fall 2006</th>
<th>Room 314--Physics</th>
<th>Exercise #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week</td>
<td>Date</td>
<td>Experiment</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Aug. 16 - 18</td>
<td>NO LAB</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Aug. 21 - 25</td>
<td>NO LAB</td>
<td></td>
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<tr>
<td>3</td>
<td>Aug. 28 – Sept. 1</td>
<td>1st Lab</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Sept. 4 - 8</td>
<td>NO LAB</td>
<td></td>
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<tr>
<td>5</td>
<td>Sept. 11 - 15</td>
<td>Motion with Constant Acceleration</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Sept. 18 - 22</td>
<td>Equilibrium of a Point Mass</td>
<td>3</td>
</tr>
<tr>
<td>7</td>
<td>Sept. 25 – 29</td>
<td>Newton’s 2nd Law</td>
<td>4</td>
</tr>
<tr>
<td>8</td>
<td>Oct. 2 - 6</td>
<td>Uniform Circular Motion</td>
<td>5</td>
</tr>
<tr>
<td>9</td>
<td>Oct. 9 - 13</td>
<td><em>Make-up Lab #1/ Rotational Motion</em></td>
<td>6</td>
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<tr>
<td>10</td>
<td>Oct. 16 - 20</td>
<td>Ballistic Pendulum</td>
<td>7</td>
</tr>
<tr>
<td>12</td>
<td>Oct. 30 – Nov. 3</td>
<td>Simple Harmonic Motion</td>
<td>8</td>
</tr>
<tr>
<td>13</td>
<td>Nov. 6 - 10</td>
<td>Standing Waves on a String</td>
<td>9</td>
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<td>14</td>
<td>Nov. 13 - 17</td>
<td>Mechanical Equivalent Of Heat</td>
<td>11</td>
</tr>
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<td>15</td>
<td>Nov. 20 - 24</td>
<td>NO LAB—Thanksgiving Holiday Nov. 22-24</td>
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<tr>
<td>16</td>
<td>Nov. 27 - Dec. 1</td>
<td><em>Make-up Lab #2/Resonance in an Air Column</em></td>
<td>Handout</td>
</tr>
<tr>
<td>17</td>
<td>Dec. 4 - 8</td>
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You may never attend a lab section to do a regular lab or a make-up lab, other than the one for which you registered unless you have permission from the Laboratory Coordinator. Your TA cannot authorize this.

**Laboratory Grade**

Your laboratory grade will be the average of your lab report grades. There will be a 12-point deduction from your final lab report average for each lab missed and not made up. Please keep all graded reports on file. In the event that a grade is not recorded properly, you may be asked to bring in the graded report as proof that you completed the lab.

**Late Policy**

The laboratories will start promptly. The instructor will give a brief outline of important procedures and safety precautions at the beginning of the lab. Please do not be late. The instructor may deny you access if you are late. If so, you will be required to make up the lab according to the procedure below.

**Make-up Lab**

The laboratory consists of two sessions, each with a corresponding make-up lab:

**Session 1: August 28 - October 6**

- Make-up lab #1, October 9-13

**Session 2: October 16 - November 24**

- Make-up lab #2, Nov. 27 - Dec. 1

You may not make-up a session 1 lab in the session 2 make-up lab.

Please see the next page, “Make-up Lab Policy,” for a full explanation of all the rules.

**Laboratory Coordinator:** Tom Barnello  Room 319 Physics, 542-2903, tjbar@physast.uga.edu

We welcome any comments or suggestions on the lab course evaluation for improving the laboratory course. Thank you.
Make-up Lab Policy

Please note: The rules below supersede anything your Teaching Assistant (TA) tells you to the contrary. If that happens, please bring it to the attention of your TA, or ask the Laboratory Coordinator for clarification.

There are all sorts of reasons that you might have for missing a lab. Some reasons may be considered legitimate excuses and some may not. What may seem like a legitimate excuse to you may not be considered one by us. What constitutes a legitimate excuse will be at the discretion of the Laboratory Coordinator, but includes such things as illness requiring a visit to the doctor; university-related travel; etc. You must provide proof for ALL legitimate excuses—a note on official letterhead, signed by an appropriate authority: doctor, professor, etc. Even missing a lab to attend a “family-related event,” must be proven by some form of documentation: a wedding invitation, funeral notice, etc.

Missing lab because your car broke down, the bus ran late, your alarm did not wake you, you had to study for a test, you were ill but did not see a doctor, etc., are NOT considered legitimate excuses. If you know in advance that you are going to miss a lab, but you are not sure if the reason will be considered a legitimate excuse, please contact the Laboratory Coordinator.

1A. Missing a Lab Without a Legitimate Excuse
You are allowed to miss one lab, and only one lab (except the make-up lab), without a legitimate excuse for the entire semester, and you must make up that lab. If you miss a lab without a legitimate excuse, then ALL additional missed labs must be WITH a legitimate excuse. For each additional lab missed without a legitimate excuse, you will not be allowed to make it up and you will receive a 12-point deduction from your final lab average. Even though you can miss one lab without providing a legitimate excuse, please keep that option available for life’s little unforeseen events and emergencies!

1B. Missing a Lab With a Legitimate Excuse
You can always make up a lab that was missed with a legitimate excuse. Validation for missing a lab with a legitimate excuse consists of two parts: 1. You must present the appropriate documentation to the Laboratory Coordinator and, just as important, 2. You must present that documentation either prior to the missed lab, if the absence is known in advance, or WITHIN ONE WEEK of missing the lab.

2A. Missing One Lab in a Session
If you miss only one lab in a session and you are allowed to make up that lab according to the rules above, you will do a make-up lab in your regularly scheduled lab class during the make-up lab week corresponding to the session that you missed the lab.

2B. Missing More Than One Lab in a Session
If you miss more than one lab in a session and you are allowed to do the additional make-up according to the rules above, you will do one make-up lab at your regularly scheduled lab class during the make-up lab week and you will either: 1. Attend a different lab section during the make-up lab week to do the additional make-up; or, if you are able, 2. Attend a different lab section the same week the experiment is being done. Please contact the Laboratory Coordinator to schedule the additional make-up lab. The Lab Coordinator will give you a LAB MAKE-UP AUTHORIZATION CARD, which you must give to the TA when you attend the additional lab. The TA may deny you access if you do not have a card.

3. Missing the Make-up Lab
The make-up lab is treated as a regular lab class. If you are late and you are denied access, you have missed the lab and will receive the 12-point deduction. If you miss the make-up lab, please contact the Laboratory Coordinator immediately. You will be allowed to replace the missed make-up lab ONLY IF you have missed the make-up with a legitimate excuse. If you miss the make-up lab without a legitimate excuse, you will receive the 12-point deduction, even if you missed the original lab with a legitimate excuse.