## Syllabus

| Instructors | Steve Kevan; 176 Willamette; 541-346-4742; kevan@uoregon.edu  
http://physics.uoregon.edu/faculty/kevan.html  
Office hours: Tu 10:30 am –12:00 pm and Fr 2:00-3:30 pm  
Kathy Hadley; 441 Willamette; 541-346-5236; khadley@uoregon.edu;  
http://www.khadley.com/  
Office hours: Fr 11:00 am-1:00pm |
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<tr>
<td>Format</td>
<td>Lectures, lots of demo’s, and the occasional quiz</td>
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<tr>
<td>Text</td>
<td><em>Conceptual Physics</em>, by Paul Hewitt, 11th edition. We will cover sections 2, 3, 4, and 5. You can probably find a less expensive earlier edition used, and that should be OK. Some of the problems in earlier editions may be different, but Webassign shows problems from the 11th edition anyway.</td>
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<td>Web stuff</td>
<td>Course web site: <a href="http://uoregon.edu/~ph102/Physics102.html">http://uoregon.edu/~ph102/Physics102.html</a>. A Blackboard site is active and has a link to the above site as well as most other course materials. WebAssign will be used for online homework sets; the Physics Department will pay for your WebAssign access.</td>
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| Course objectives | 1. Have fun, like when you were 4  
2. Learn about the physics of everyday things, like when you were 4  
3. Do some physics experiments in your kitchen, like when you were 4 |
| Student requirements | 1. Attend lectures  
2. Participate in class – stump the prof, if at all possible  
3. Do the homework – in small groups, if you like  
4. Do some [projects](#) in your kitchen – with friends young and old  
5. Explore, think, read, ask, speculate . . . |
| Math requirements | 1. Simple graphs  
2. Basic algebra  
3. Averages and the like |
| Grading | 1. Approximately weekly homework, 25% of your grade  
2. Three highest grades on four quizzes, 15% of your grade each  
3. Four highest grades on projects + write-up, 30% of your grade*  
4. Extra credit for stumping the prof**  
5. Final grades will be curved, but in past years the curve has been approximately A: >85%; B: 72%-85%; C: 60-72%  

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* At the end of each chapter, the text has a few suggestions for projects that can be done outside of class. You will need to do four such experiments this term. Each experiment needs a 1-page, typed double-spaced (max!) write up to explain what you saw and what it means. Brevity will be greatly appreciated. Due dates are listed on the course schedule, but you are welcome to do these and hand in write-ups early. You are also welcome to do more than four; in that case we will use the four highest scores in calculating your final grade.

** Ask a physics question during class a) that is relevant to the course material, b) that is at least in principle answerable, and c) that I cannot answer, and your cumulative score will be increased by one percentage point . . . offer valid up to 10 such questions, which is nearly one full grade.