# **Course Description**

In AP Physics C, we’ll study physics at a level typical of first-year college science and engineering majors. The course is mathematically rigorous and some knowledge of calculus is required. I understand that some of you are just starting your study of calculus, so I will work with you on this.

The course content is divided roughly into Mechanics in the fall, and Electricity and Magnetism in the spring. Physics C labs, which comprise roughly 20% of the instructional time, will be as open-ended as possible.

In May, all of you will have an opportunity to take one or both 90-minute AP Examinations for the C-level course. Successful completion of each exam with a score of 3 or above is worth one semester’s credit at many colleges and universities.

# **Expectations**

Expect to participate in class. In order to keep from assigning a ridiculous amount of homework, you will be expected to work a lot of problems in class! These problems will serve as a guide when you do your homework.

Expect to average 30-45 minutes of homework each day**.** Homework assignments are posted on our class Weebly page and can be made to show up on your calendar. At the end of each chapter or two you will have a homework test. If you want to be eligible for the curve, you’ll need to turn in the homework before you take the test.

Your grade be composed of about 1/3 test scores, 1/3 lab activities, and 1/3 homework quizzes and class participation. Exam “pretests” will help you prepare for the actual exam. If you don’t do well on the pretest, you will know exactly what to study. I’ll be here every morning at roughly 7:20 AM if you need help.

# **Materials Needed**

* 1 Loose-leaf binder with pockets or spiral notebook with pockets for classwork and homework, notes and lab reports.
* 1 pocket folder for handouts- there will be many and they are large
* Lots of graph paper (quadrille is fine)
* Calculator
* Protractor
* Metric ruler
* ***A $20.00 lab donation is requested.***

# **Instructor**

Betsy Hondorf EdS.

LC 210

865-425-9600 ext. 2568

[ebhondorf@ortn.edu](mailto:ebhondorf@ortn.edu)

Links/Sites/Information you will often need for class:

Class Web Site:

[www.hondorfphysics.weebly.com](http://www.hondorfphysics.weebly.com)

Phet Lab simulations:

[www.phet.colorado.edu](http://www.phet.colorado.edu)

Click on “Play with Sims”

Make selections from the menu at the left

Click “Run Now!” when you have selected the correct sim

Turnitin:

Password- appc15

Class ID- 10276994

Twitter:

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