

Physics 2 Health

1 General Education Objectives

Courses in the physical sciences promote the development of critical thinking and problem solving. The aim of this course is to provide instruction in the basic concepts, theories, and terms of the scientific method as applied to the physical sciences.

In taking this course, students will attain knowledge of the concepts, principles, terminology, and methodologies used to describe simple charged objects, basic circuits, magnetic fields, and optical devices.

2 General Information

Course Title: Physics 2 Pre-Health Post-Bac

Time: Monday–Thursday, Period 7 (1:55 PM to 2:45 PM)

Room: NPB 1216

2.1 Course Instructor

Jonathan Thompson

thompson.jon@ufl.edu

NPB 2062

Tel: (352) 392-2921

Office Hours:

TBD

2.2 Course Websites

This course will utilize the following two websites:

- The physics department main course website contains all important course information, including the schedule and grading scheme.
<http://www.phys.ufl.edu/courses/phy2054/fall17-health/>
- The Canvas site will act as a repository for student quiz, homework, and exam grades.
<https://ufl.instructure.com>

2.3 Textbook

The following textbook is required for this course:

| | | | |
|------------|---------------------------|----------|------------------------------|
| Title: | <i>Physics, Volume 2,</i> | Authors: | Giambattista <i>et al.</i> , |
| Publisher: | McGraw-Hill, | Edition: | 3rd , (Vol. 2) |

Make sure that the textbook purchased includes online access to *WebAssign* for completing the homework assignments in this course (see Sec. 3.3).

3 Grading

Final grades will be determined by a fixed grading scale. No grading curve will be employed. The overall scale is based on a total of 100%.

| Assignment | Percentage |
|--------------|------------|
| Exams | 75 |
| Quizzes | 20 |
| Homework | 5 |
| Total | 100 |

When necessary, fractional grades will be rounded up to the nearest tenth percent.

| Grade | Percentage | Grade | Percentage |
|-------|-------------|-------|-------------|
| A | $\geq 85\%$ | C | $\geq 60\%$ |
| A- | $\geq 80\%$ | C- | $\geq 55\%$ |
| B+ | $\geq 76\%$ | D+ | $\geq 50\%$ |
| B | $\geq 72\%$ | D | $\geq 45\%$ |
| B- | $\geq 68\%$ | D- | $\geq 40\%$ |
| C+ | $\geq 64\%$ | E | |

3.1 Examinations

There will be **two evening** mid-term exams and a comprehensive final exam. See the schedule for dates and times of the exams. The exam format is multiple choice.

Material you must bring to the exams is as follows: a **Number 2 pencil** and a calculator. Standard graphing and scientific calculators are allowed, as long as they do not have internet connectivity. Cell phones **may not be used** in place of a calculator. Formula sheets will be provided for the exams.

3.2 Quizzes

We will have **eleven** in-class quizzes throughout the semester, given at the beginning of the period on Thursdays. These quizzes will be based on the sections of the book covered in the previous week's homework assignment; consult the course schedule for an outline of the course homework. Each quiz will have one multi-part problem and will be graded on a 5-point scale. The quizzes are 15 minutes long.

Material you are allowed to use for the quiz is as follows: writing instruments and a calculator. No formula sheets are allowed, **nor will they be provided.**

3.3 Homework

There will be **fourteen** homework assignments due over the course of the semester. Assignments will consist of problems chosen from the textbook and will be completed through the online homework framework *WebAssign*. The selected problems for the homework assignments are listed in the course schedule along with the due date. Late homework assignments will not be accepted.

We encourage collaboration between you and your fellow students on the homework, but each student must do their own work!

We consider the assigned homework to be the *minimum* amount of homework required to pass the course; working only the required homework assignments will not guarantee an A in the course!

We highly encourage students to work additional problems, so as to better learn the material for exams and quizzes. The problems above and below the assigned problems in the book are an excellent choice to work for additional practice! For best results, *work every problem in the book!*

3.4 Make-Ups

We follow the University of Florida make-up guidelines:

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies and can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

You will be allowed to make up any missed quiz provided that you have a valid documented excuse (e.g., a medical note). You must take the make-up quiz within two weeks of your missed quiz, and there will be no make-up quizzes after December 6, 2017.

Unless superseded by a valid excuse, a missed exam will result in a zero. Valid excuses are officially sanctioned UF events, religious holidays, medical excuses, or family emergencies. Acceptable excuses will require a coach's, doctor's, or instructor sanctioned note with a verifiable contact phone number. A valid excuse will allow you to take a make-up exam within two weeks of the missed exam.

3.5 Attendance

Attendance for this course is not mandatory, however it is *highly recommended*. Students who regularly attend lecture tend to have a better understanding of the course material and are more prepared for exams and quizzes.

4 UF Honor Code

The Dean of Students Office website has a detailed discussion about academic honesty and the University of Florida Honor Code, which was adopted by the Student Council. The Honor Code says:

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

For more details on what constitutes violation of The Honor Code, click [here](#)

5 Students with Disabilities

Students requesting classroom accommodation for disabilities must first register with the Dean of Students Office <http://www.dso.ufl.edu/drc/>. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. Tests will be administered at the Accommodated Testing Center by the Disability Resource Center.

6 Course Evaluations

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

7 How to Succeed

- Come to class!
 - Skipping lecture will hurt your education. Physics is challenging to learn on your own. Skipping may also cost you quiz points.
- Come to class prepared!
 - Read the book before coming to class. Review your notes from the previous class.
- Read the book and work through the examples.
 - The book is an excellent teaching tool. Don't just use your book for the homework problems.
- If you are having trouble, get help!
 - Go to office hours! It is very hard to catch up once you get behind in this course.
- Try to do a little physics every day.
 - Trying to learn all the physics just before an exam is a bad idea.