

# Syllabus – Phys 214

## Department of Physics & Astronomy

Instructor        Dr. Pilgrim  
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Office Hours:    Monday-Friday 12-2pm or by appointment

## Catalog description

This course is the second part of a two-semester algebra-based treatment of introductory physics. Topics include electricity, magnetism, electromagnetic waves and optics.

3 credit hours

## Course Objectives

- Understand electro and magnetostatics/dynamics and more broadly the connection between electricity and magnetism and their connection to light and other electromagnetic waves and be able to solve relevant problems.
- Comprehend the theory behind geometric optics.
- Have knowledge of a broad overview of special relativity and radioactive decay.

## Course Prerequisites

Phys 213 (Math 121 and Math 123) or Math 125 or Math 261

## Course Corequisites

Phys 224

# Textbook

College Physics, 11<sup>th</sup> edition by Serway and Vuille

## Grades

A  $[92, \infty)$

A-  $[90, 92)$

B+  $[87, 90)$

B  $[82, 87)$

B-  $[80, 82)$

C+  $[77, 80)$

C  $[72, 77)$

C-  $[70, 72)$

D  $[60, 70)$

F  $(-\infty, 60)$

## Grade Breakdown

|               |     |
|---------------|-----|
| Participation | 16% |
| Homework      | 16% |
| Test 1        | 16% |
| Test 2        | 16% |
| Test 3        | 16% |
| Final         | 20% |

## Homework

Homework will be assigned via Blackboard on Mondays, Wednesdays, and Fridays, and the previous homework set will be due at 11:59pm on the same days. Homework will be turned in on Blackboard as a PDF either from a tablet or pictures of your written work that have been converted to PDFs (there are numerous free apps which are capable of doing this my favorite of which is Image to PDF Converter.) Late work will not be accepted.

## Tests

Tests will be administered each Monday; the first half of class will be devoted to the test while the second half will be a regular class. Unfortunately, with so few class meetings, this is necessary.

## Attendance

The university requires that all students have a verified attendance at least once during the first two weeks of the semester for each course. If your attendance is not verified, you will be dropped from the course and any financial aid will be adjusted accordingly. Please see <http://olemiss.edu/gotoclass> for more information. Apart from this as participation is a large percentage of your grade, you are expected to come to class and be involved in class discussions.

## Academic integrity and honesty

Students are expected to adhere to the University of Mississippi Creed and the Standards of Honesty as described in Policy Code ACA.AR.600.001 and the [M Book](#).

Students are reminded that cheating in any form will not be tolerated. Performance on all tests and assignments shall represent the individual work of the student. Those who violate the Standards of Honesty will be reported and subject to the appropriate sanction, which may include expulsion from the University.

## Intellectual property

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## Nondiscrimination policy

The University complies with all applicable laws regarding affirmative action and equal opportunity in all its activities and programs and does not discriminate against anyone protected by law because of age, color, disability, national origin, race, religion, sex, sexual orientation, handicap, or status as a veteran or disabled veteran.

## Policies and procedures for students with disabilities

It is University policy to provide, on a flexible and individual basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or meet course requirements. Students with disabilities should contact the Office of Student Disability Services (662-915-7128 or [sds@olemiss.edu](mailto:sds@olemiss.edu)) to discuss their individual needs.