

# Syllabus – Phys 213

## Department of Physics & Astronomy

Instructor        Dr. Pilgrim  
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Office Hours:    Monday-Friday 12-1pm or by appointment

## Catalog description

This course is the first part of a two-semester algebra-based treatment of introductory physics. Topics include Newtonian mechanics, energy, rotational motion, fluids, oscillations and waves.

3 credit hours

## Course Objectives

- Develop conceptual reasoning and physical understanding.
- Improve numerical problem solving skills.
- Solve problems involving Newtonian mechanics and fluid dynamics.
- Understand wave mechanics including sound.

## Course Prerequisites

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

## Course Corequisites

Phys 223

# Textbook

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

## 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%
Offline 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

All materials distributed electronically and in hard copy in this class are protected under intellectual copyright. Any attempt to upload these documents to a file sharing service or to profit from their distribution by any means constitutes theft and will be in violation of intellectual property law and the UM Academic Conduct Code unless expressly permitted for by the instructor.

## 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.

## Student Support Services

Students are encouraged to visit the University's Keep Learning site <https://keeplearning.olemiss.edu/> to access information and resources related to COVID-19 support. The site provides links to University student services to facilitate and support learning.

Students with diagnosed health concerns that may affect their compliance with COVID-19 health requirements should contact UM's Student Disability Services (SDS) Office <https://sds.olemiss.edu/> to see if they are eligible for an SDS accommodation as soon as possible.

The University Counseling Center is a professional facility offered by the University of Mississippi to assist students, faculty, and staff with many types of life stressors that interrupt day-to-day functioning, including the stressors associated with the COVID-19 pandemic. They offer individual counseling, couple's counseling, group counseling, stress management, crisis intervention, assessments and referrals, outreach programs, consultations, and substance abuse services. There is no fee for currently enrolled University students and everything you say to your counselor is confidential. You can contact the Counseling Center for information about mental health issues at <https://counseling.olemiss.edu>, [counselg@olemiss.edu](mailto:counselg@olemiss.edu), 662-915-3784, 320 Lester Hall, and <https://www.facebook.com/universitycounselingcenterolemiss/>. You can schedule an appointment or get information about appointments by calling the UCC at 662-915-3784.