

Syllabus - Physics 211 Section 1

Fall 2014

General Info

Instructor:	Dr. Sumedhe Karunarathne
Email:	skarunar@olemiss.edu
Phone:	915-1544
Office Hours:	Monday & Wednesday 9.00 – 10.30 A.M. in Lewis 104
Web:	https://sites.google.com/a/go.olemiss.edu/2014-fall-phys211-01/home
Lecture:	MWF 2:00 – 2:50 P.M. in Lewis 101
Textbook:	Physics for Scientists and Engineers 9 th Edition – Serway and Jewett
Corequisites:	Phys 221: Lab Physics for Science & Engineering

Contents

Phys 211 is a calculus-based introduction to the classical mechanics of compact and extended bodies, fluids and solids and related phenomena, including oscillations, waves and sound. This is the first part of a two-semester survey of classical physics. This course is designed to for those majoring in the physical and biological sciences, mathematics, and engineering. Topics will include motion, vectors, mechanics, waves, and sound. We will cover Chapter 1 – 19.

The goals of this course will include but not limited to, understand the basic concepts and principles of physics, improve problem solving skills, and improve your analytical reasoning for real world situations. To get the full advantage of the course, the students should refer the required textbook frequently and complete the homework problems honestly.

Grading

Homework: 15%	4 Midterm tests – 15% each	Final Exam 25%
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Homework: will be assigned almost each class. There will be two kinds of homework.

- (1) **Written homework:** Usually 3-5 problems will be assigned. Please don't use red ink. Please staple the pages together. Remember to include your name, date, and homework number on the first page. For a given homework, I will only grade 1-2 of the assigned problems (which I will not announce) and you will receive the full marks automatically for all the problems I do not grade. When answering problems, I am expecting you to explain everything in English. Final answer doesn't mean much if you do not explain what you were doing. Usually you get 7 days to return a written homework and it is due on the beginning of the class on the due date.
- (2) **Online Homework:** Some of the homework will be assigned through "WebAssign" (www.webassign.com). Instructions on how to enroll for WebAssign will be found at http://www.webassign.net/manual/student_guide/student_quick_start_guide.htm. The self-enroll "class key" is *olemiss 7993 7130*. Unlike written homework, all the

problems will be graded here. You get at least 5 days to submit the answers online. After the due date, the online homework assignments will be automatically disabled.

Late homework will not be accepted. But you can drop up to 4 homework sets. This should cover all the late or forgotten homework, brief absences, etc.

Tests: There will be 4 midterm tests. Dates will be fixed and I would not change those unless I couldn't cover all the materials I wanted to cover. I **will not drop** any test grades.

The final exam is Monday December 8th at 4.00 P.M.

I will use the +- grading scale found at <http://www.olemiss.edu/info/grading.html>

Grading	Marks	GPA
A	≥ 92	4.0
A-	≥ 90	3.7
B+	≥ 88	3.3
B	≥ 82	3.0
B-	≥ 80	2.7
C+	≥ 78	2.3
C	≥ 72	2.0
C-	≥ 70	1.7
D	≥ 60	1.0
F	< 60	0

Policies

Attendance: You are required to attend each lecture. Absences for tests will be considered as zero and I would not drop test grades. If you have pre-planned university sponsored event on a test day, you should let me know early as possible and provide me proof. If you must miss a test due to an emergency, you must submit a valid document with the request for a retake.

Academic Integrity: Don't cheat and it is a university policy. Read about this here <https://secure4.olemiss.edu/umpolicyopen/ShowDetails.jsp?istatPara=1&policyObjidPara=10817696> and here.

[https://secure4.olemiss.edu/umpolicyopen/GetPdfActive?pol=10817696&ver=active&file=10817696 active 20120910.pdf&cod=ACA.AR.600.001](https://secure4.olemiss.edu/umpolicyopen/GetPdfActive?pol=10817696&ver=active&file=10817696%20active%2020120910.pdf&cod=ACA.AR.600.001)

Consequences for cheating are serious and if you were found cheating, you will be reported the University for proper action.

Group work: Group work is encouraged for preparing for homework, tests, and the final exam. However, when answering homework assignments, you should do it alone.

Graded documents: Please keep all the graded homework assignments and tests and it is a UM policy.

Reading: You are advised to buy the assigned text book. It is very difficult to cover everything in the chapters in the given time frame during the lectures. So make sure you READ THE BOOK.