

Physics 214, Section 3

Spring 2007 Course Syllabus

Instructor: Dr. Gary Lamberton
Office: Room 5 – Kennon Observatory; 1063 NCPA
Hours: 3 – 4 pm MTh (Kennon) and By Appointment
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Course Info: MWF 12:00 – 12:50 PM in Lewis 101
Text: Introductory Physics: Building Understanding by Jerold Touger

Course Description:

This is the second half of a two-semester introductory physics course tailored for non-majors. This portion of the course will cover waves, optics, electricity and magnetism, and selected topics in modern physics as time allows. This course will provide a basic foundation for understanding physics topics and will require problem solving skills. Please be sure your math skills (algebra, trigonometry, geometry) are up to date, as you will be using them throughout the semester.

Students enrolled in this course must have successfully completed PHYS 213 and also be enrolled or have previously passed the co-requisite lab course, PHYS 224.

Important: If this condition is not met, you will be dropped from the course by the registration system!

Grading Policy:

3 Tests	45 %
Homework	20 %
Quizzes	10 %
Cumulative Final Exam	25 %

Each test will cover roughly 3 – 4 chapters of material. The format of the test will be primarily solving problems of similar difficulty to the homework problems. Conceptual questions and/or multiple choice questions may also be given to evaluate your knowledge of the subject area. You may use a simple calculator, but no formula sheets or class notes will be allowed. Tests will be given during the Friday class period and will not exceed 50 minutes in length. Please be in class as early as possible on test days in order to give yourself maximum time. Tests will start promptly at noon.

Homework sets will be assigned for each chapter for your practice in problem solving. Your experience working problems will help you on the exams. The homework sets will generally be given through WileyPlus on the web, though additional problems may be assigned to be turned in at the beginning of class. Example problems from the

homework sets will be reviewed in class. Homework sets should be representative work of each individual. I encourage you to work together to understand the concepts driving the problems and their solutions, but please turn in your own work.

Quizzes will be administered during the first 5 – 10 minutes of class to test retention of past concepts and to be sure you're keeping current with assigned reading. The quizzes will be given through the InterWrite[®] PRS clicker system. Be sure you have your clicker with you for all class periods as quizzes may or may not be announced prior to class and not having your clicker will result in a grade of 0 for any missed quiz.

The final exam will be cumulative. The final exam will include topics from each of the previous tests and remaining untested material. If you've kept up with your homework and performed well on the previous tests, you should do well. The final exam will be given Thursday May 10, 2007 from 12 noon until 3 pm. Previously purchased airline tickets are NOT a valid excuse to move the exam. Plan to be present for your scheduled exam.

Final grades will be determined according to the percentages above with a final grade of A representing a combined grade of 90 % or better, B – an 80 % or better, C – a 70 % or better, D above 60 %, and a grade of F will result for any average below 60 %.

Academic Integrity:

This class will be governed by the policies stated in the current University of Mississippi M-Book. Students who fail to uphold these standards of academic integrity will receive a grade of F in the course and may result in further disciplinary action by the University.

Attendance:

Attendance is not mandatory for this course in the sense that I will not take roll each period. Students are responsible for the material covered in class. Absence on a day a test or quiz is given or when homework is due results in a grade of 0. Excused absences will be dealt with according to University policy. If you are aware you will be missing class due to an official University sponsored academic or athletic event, you must make arrangements with me PRIOR to your absence in order to get credit for any missed assignments or quizzes. If you do miss class, please contact me via phone or email as soon as possible so we can resolve any issues that may arise as a result of your absence.

Please do not be late to class or leave early. These actions are disruptive to the entire class. Quiz questions will not be repeated for those of you late to class. However, should you become ill during class, feel free to leave as necessary.

WileyPlus:

Each student was given a registration code for WileyPlus bundled with the text and clicker. To activate your WileyPlus account, go to:

<http://edugen.wiley.com/edugen/class/cls32080/>

and click “register.” Please use your “username@olemiss.edu” email. The first homework set using this system will be due the second week of class. Please register as soon as possible so you can begin earning credit for assignments.

Clicker Activation:

You will be responsible for activating your clicker before the 2nd class. To do this log onto Blackboard, click on the link to this course, and then “Tools.” Scroll down and you should see an option entitled “PRS Remote Registration.” Be sure you are using the IR remote, not the RF remote provided in some other classes. If you’re using a PRS IR remote in another class, you may not have to complete this registration. You will use this clicker for graded quizzes and for classroom participation.

Policy Changes:

If any policy changes should become necessary during the course of the semester, I will notify all students prior to putting the new policy in effect. It will be mentioned in class and written notification (posting of new policy on course website/Blackboard, email, and/or class handout) will be given.

My Perspective:

I will expect quite a bit of effort out of each of you. I will try to make my expectations as clear as possible so we can work toward the same goal. It is not my intention to bury you with work, but to provide you with relevant exercises necessary to perform well on the exams and succeed in this course. Physics may be difficult for some of you. I encourage you to utilize all the tools at your disposal outside of class – the physics tutoring center, interactive resources on WileyPlus, my office hours, and one another. It is my goal for each of you to succeed, but that will not be realized unless each of you commits the time and energy necessary.

Tentative Schedule:

Date	Lecture Day	Chapter	Sections	Notes
1/17/2007	Wednesday	14	1-2	
1/19/2007	Friday	14	3-5	
1/22/2007	Monday	14	6-8	
1/24/2007	Wednesday	15	1-2	
1/26/2007	Friday	15	3-5	
1/29/2007	Monday	15	6-7	
1/31/2007	Wednesday	16	1-2	
2/2/2007	Friday	16	3-4	
2/5/2007	Monday	17	1-2	
2/7/2007	Wednesday	17	2-4	
2/9/2007	Friday	17	4-5	
2/12/2007	Monday	18	1-2	
2/14/2007	Wednesday	Review		
2/16/2007	Friday	Test 1		Ch.14-17
2/19/2007	Monday	18	2-3	
2/21/2007	Wednesday	19	1-2	
2/23/2007	Friday	19	3-4	
2/26/2007	Monday	19	5-6	
2/28/2007	Wednesday	20	1-3	
3/2/2007	Friday	20	3-4	
3/5/2007	Monday	20 - Review		
3/7/2007	Wednesday	21	1-2	
3/9/2007	Friday	Test 2		Ch. 18-20
3/12/2007	Monday			
3/14/2007	Wednesday			Spring Break
3/16/2007	Friday			
3/19/2007	Monday	21	3-5	
3/21/2007	Wednesday	21	6-7	
3/23/2007	Friday	22	1-3	
3/26/2007	Monday	22	3-6	
3/28/2007	Wednesday	22	6-8	
3/30/2007	Friday	23	1-2	
4/2/2007	Monday	23	3-4	
4/4/2007	Wednesday	23	5-6	
4/6/2007	Friday			Good Friday
4/9/2007	Monday	24	1-3	
4/11/2007	Wednesday	Review		
4/13/2007	Friday	Test 3		Ch. 21-23
4/16/2007	Monday	24	3-5	
4/18/2007	Wednesday	25	1-3	
4/20/2007	Friday	25	4-5	
4/23/2007	Monday	26	1-2	
4/25/2007	Wednesday	27	1-3	
4/27/2007	Friday	27	4-6	
4/30/2007	Monday	27-28	7, 1	
5/2/2007	Wednesday	28	2-4	
5/4/2007	Friday	Review		
5/10/2007	THURSDAY	FINAL EXAM		