# Physics 213, Section 5 Fall 2006 Course Syllabus

Instructor:	Dr. Gary Lamberton			
Office:	Room 1 Kennon Observatory, 1063 NCPA			
	Hours: 1 – 2 pm TuW (Kennon) and By Appointment			
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Phone:	915-5764 (1063 NCPA)			
Course Info:	MWF 12:00 – 12:50 PM in Lewis 101			
Web:	http://home.olemiss.edu/~ncpagary/phys213/			
Text:	Introductory Physics: Building Understanding by Jerold Touger			

#### Course Description:

This is the first half of a two-semester introductory physics course tailored for nonmajors. This portion of the course will cover the first thirteen chapters of the text including topics such as motion in one and two dimensions, work and energy, rotational motion, and thermodynamics. 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) are up to date, as you will be using them throughout the semester. Physics is an analytical science. As you progress through this course, you will learn to rely on your ability in logic and problem solving.

Students enrolled in this course must also be enrolled or have previously passed the co-requisite lab course, PHYS 223. *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 exam will cover roughly 4-5 Chapters of material. The format of the exam will be primarily solving problems of similar difficulty to the homework problems. Conceptual questions and/or multiple choice questions may also be given to test your knowledge of the subject area. Simple calculators will be allowed, but no formula sheets or class notes will be allowed during the exams. Exams will be given during the class period and will not exceed 50 minutes in length. Please be in class as early as possible on exam days in order to give yourself maximum time. Exams 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 your reading. The quizzes will be given through the InterWrite<sup>®</sup> 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. You may find that as we progress through the semester that each test builds on material from the previous test. As such, the final exam will include topics from each of the previous tests. 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 Monday December 4, 2006 from 12 noon until 3 pm. Previously purchased airline tickets are NOT a valid excuse to move the exam. Plan to be there.

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/cls24135/

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

#### **Clicker** Activation:

You will be responsible for activating your clicker before the 2<sup>nd</sup> 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 the experience 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	Special Notes
8/21/2006	Monday	1	ALL	
8/23/2006	Wednesday	2	123	
8/25/2006	Friday	2	45	
8/28/2006	Monday	2	67	
8/30/2006	Wednesday	3	123	
9/1/2006	Friday	3	45	
9/4/2006	Monday	LABOR DAY		No class
9/6/2006	Wednesday	3	56	
9/8/2006	Friday	4	12	
9/11/2006	Monday	4	3	
9/13/2006	Wednesday	4	4	
9/15/2006	Friday	5	12	
9/18/2006	Monday	5	234	
9/20/2006	Wednesday	5	45	
9/22/2006	Friday	TES	Г1	
9/25/2006	Monday	6	12	
9/27/2006	Wednesday	6	23	
9/29/2006	Friday	6	45	
10/2/2006	Monday	7	12	Last day to withdraw
10/4/2006	Wednesday	7	34	
10/6/2006	Friday	7	45	
10/9/2006	Monday	8	12	
10/11/2006	Wednesday	8	3	
10/13/2006	Friday	8	4	
10/16/2006	Monday	9	12	
10/18/2006	Wednesday	9	3	
10/20/2006	Friday	9	4	
10/23/2006	Monday	9	5	
10/25/2006	Wednesday	TES	Г 2	
10/27/2006	Friday	10	12	
10/30/2006	Monday	10	3	
11/1/2006	Wednesday	10	45	
11/3/2006	Friday	11	12	
11/6/2006	Monday	11	345	
11/8/2006	Wednesday	11	67	
11/10/2006	Friday	12	12	
11/13/2006	Monday	12	345	
11/15/2006	Wednesday	12	567	
11/17/2006	Friday	TEST 3		
11/20/2006	Monday			No class
11/22/2006	Wednesday	Thanksgiving Break		No class
11/24/2006	Friday			No class
11/27/2006	Monday	13	123	
11/29/2006	Wednesday	13	345	
12/1/2006	Friday	13/Review	67	
12/4/2006	Monday	FINAL EXAM		12 Noon