Physics 211: Physics for Scientists and Engineers I (Fall 2013)

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Difference: 8:00am - 9:15am, TTH, HELD Lewis Hall, Room 101 (Auditorium)
Office Hours: 9:30am - 10:40am, TTH, and by appointment

Textbooks: "Physics for Scientists and Engineers" 9th Ed. By Serway and Jewett;

Teaching Assistant: TBA

Note:

- The grades in this course will be determined by your performance on three term exams (20% each), final exam (30%), homework (10%), and bonus problems (5%). The grade ranges are: 90-105 = A; 80-90 = B; 65-80 = C; 50-65 = D. In order to earn the 5% of bonus problems you should solve all the assigned "challenge" problems.
- 2. If your grade on the Final Exam is higher than your lowest grade on one of the three term exams during the semester, the grade on the final will replace that one, lowest exam grade in computing the course grade. The final Exam grade **cannot** be used to replace an exam that was missed.
- 3. September 9th is the last day of refund period, and October 7th is the last day for course withdrawals.
- 4. Final exam (comprehensive): December 10th, Tuesday, 8:00-11:00am Please note there is no makeup for the final.
- 5. Access and do the homework problem online at https://www.webassign.net (see instructions*)

Week/Date		Chapter/Topic	Chapter/Homework
1	Aug 27; 29	Chapters 1, 2: Dim. analysis; motion in 1d	HW1: Chapters 1, 2; due T Sep 3
2	Sep 3; 5	Chapters 3, 4: vectors; motion in 2d	HW2: Chapters 3, 4; due T Sep 10
3	Sep 10; 12	Chapters 5, 6: motion laws; circular motion	HW3: Chapters 5, 6; due T Sep 17
4	Sep 17; 19	<u>Chapters 7, 8:</u> work; conservation of energy;	HW4: Chapters 7, 8; due T Sep 24
5	Sep 24; 26	Chapter 9:conservation of linear momentumSep 26 THExam I	HW5: Chapter 9; due T Oct 1
6	Oct 1; 3	Chapters 10, 11: rigid object; angular momentum	HW6: Chapters 10,11; due T Oct 8
7	Oct 8; 10	Chapters 11, 12: ang. momentum; static Eq.	HW7: Chapters 11,12; due T Oct 15
8	Oct 15; 17	Chapters 12, 13: static Eq.; gravitation	HW8: Chapters 12,13; due T Oct 22
9	Oct 22; 24	Chapter 14: fluid dynamics	HW9: Chapter 14; due T Oct 29
10	Oct 29; 31	<u>Chapters 15, 16</u> : SHM; waves	HW10: Chapters 15,16; due T Nov 7

Week/Date		Chapter/Topic	Chapter/Homework	
12	Nov 12, 14	Chapters 19, 20: Tem.; 1 st law of therm.	HW12: Chapters 19,20; due T Nov 19	
13	Nov 19, 21	Chapter 21: Kinetic theory of gasesNov 21 TH	HW13: Chapter 21 due; T Nov 26 Exam III	
14	Nov 26; 28	Thanksgiving holiday		
15	Dec 3, 5	Chapter 22: Entropy; 2 nd law of therm.	HW14: Chapter 22; due T Dec 10	
16	Dec 10 T	Final exam, 8:00-11:00 am		

*Online Homework (WebAssign Instruction):

You must self-enroll, the class key for Physics 211 is: **olemiss 0013 5689**, please supply your entire student Id accurately in order for the system to transfer credit from Web Assign to Blackboard. Student quick start guide is available at: http://www.webassign.net/manual/WA_Student_Quick_Start.pdf

Do Yourself (and Me) a Favor

Read about the topics before I discuss them in lectures. It is not necessary that you study them carefully, but at least get the "smell of it". This should make it much easier for you to follow the lectures and that should make them more interesting.

Recitation Sessions:

We will set up time (after 5:00 pm) for recitation sessions according to the students' schedule and the room availability. The recitation sessions are very important in order to practice solving the homework problems, enforce the physics concepts, and to obtain a good grade in this course.

Disclaimer:

This is a tentative syllabus and a slight adjustment might be made in due course.

ADA statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Office of Student Disability Services (SDS) at 234 Martindale Center (sds@olemiss.edu) phone: 662-915-7128

Academic Integrity statement:

As an Olemiss student I have abided by the UM academic integrity policy. My words and actions will reflect Academic Integrity. I will not cheat or lie or steal in academic matters.

I will promote integrity in the University of Mississippi community. For more information, refer to: http://www.olemiss.edu/depts/general_library/instruction/resources/plagiarism_resources/reinforcing.html