

SYLLABUS

PHYS1301 College Physics I FALL SEMESTER, 2002

Professor Xinchou Lou

Course Objective

The course is designed for students in non-physical science majors. Without calculus and differential equations, *College Physics* attempts to present physics concepts in a qualitative and intuitive fashion using algebra and trigonometry. Many examples can usually be associated with everyday life. The aims are at physics knowledge, critical thinking and problem solving.

Course Requirements

- (1) Class attendance is required for College Physics I.
- (2) Adequate reading assignments supplementing the lectures are made regularly.
- (3) Homework assignments are required. Normally an assignment is made each Monday and is due the Wednesday of the following week. Homework will not be turned in and will not be graded. Rather around the due date the official solution will be posted at the UTD library for students to check against their own work.
- (4) On or after the due date for each assignment a short quiz (announced) may be given in class to evaluate students' understanding of the subjects covered in the homework. Quizzes are graded.
- (5) There is a separate lab course (PHYS1101) accompanying this course. The lab manual is available at UTD bookstore.

Course Schedule

Physics 1301/1302 is a one-year (two-semester) course. The official textbook is *PHYSICS* by E. Hecht, 2nd edition. In the first semester the classical mechanics and thermo-physics, i.e., Chapters 1 - 14, are covered. Then in the second semester in spring, 2003, the rest of the textbook will be taught.

Three examinations are scheduled for this semester. The examination dates and the chapters covered are:

Exam 1:	5:30 - 6:45 pm, October 7	(Chapters 1-5)
Exam 2:	5:30 - 6:45 pm, November 4	(Chapters 6-9)
Exam 3:	5:30 - 6:40 pm, December 2	(Chapters 10-14)

All the exams are closed book. Students can use a single sheet of A8 sized paper, on which only equations and constants can be written. No other material, other than a calculator and a pen, is allowed during the exams.

Grades

The grade of the course will be based on the quiz (25%), and the three exams (75%).

To remedy for possible unforeseen crisis that might arise (sickness, car problem, etc.) the worst exam and quiz grades will be dropped from the final grade calculation. Optional problems may be assigned in an exam which can be solved for extra credits. These extra credits can be used to offset accidental poor performance in the exams. No makeup exam or quiz is permitted.

Recitation

Recitation will be given according to the progress of the class. Exact time and room will be announced approximately one week prior to the recitation.

TA Office Hours *(preliminary--subject to change)*

4:30-5:30 pm Mon/Wed Gazi Demir demir@utdallas.edu FO1.436 -2877

Other time by appointment only

TA hours are scheduled to provide students with helps on general concepts related to this course and the homework. The official homework solutions will be available timely at the Circulation Desk in the UTD library, under the title 'College Physics I Assignments and Homework Solutions'. The solution will also be posted online at (to be confirmed) http://www.utdallas.edu/library/reserves/reserves/Lou/PHYS_1301/.

Professor Office Hour *(preliminary--subject to change)*

Monday 11:00 -- 12:00 am

Wednesday 3:30 -- 4:30 pm

Other time by appointment only.

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