

Syllabus

Course: Physics 342/555, Spring 2013 Instructor: Dr. Pengcheng Dai,

Room 407A, ext. 4-1509 or 607-8067, e-mail: pdai@utk.edu

Class: M.W.F. 1:25-2:15 Physics 306, Textbook, Kittel 7th edition

Office hours: T. R. 2:15-3:00 pm

Date	Chapter (Sections)	Homework problems will be assigned each week, and due days are listed
Jan. 9,11	Chapters 1	3, Due 01/18/2013
Jan. 14, 16, 18	Chapters 2	3, 7, due 01/25/2013
Jan. 23, 25, 28,30	Chapters 3, 4	Chap. 3, #2; Due 02/01/2013; Chap. 4, #2, 6; Due 02/08/2013
Feb. 1, 4,6	1 st exam, chapter 5	Chap 5, #4, due 02/15/2013
Feb. 8, 11,13	Chapter 6	Chap 6, 3, 6 due 02/22/2013
Feb. 15, 18, 20	Chapter 7	Chap 7, 3, 6 due 02/27/2013
Feb. 22, 25,27	Chapter 8	Chap 8, 3, 5 due 03/06/2013
March 1,4,6	Chapter 9	Chap 9, 2,7, due 03/13/2013
March. 8, 11, 13, 15	Chapter 10	Chap 10, 1, 3, due 03/18/2013
March 18, 20 NO class due to APS March meeting Spring Break	2 nd exam on March 18 From 12:30 till 2:20 PM Make sure that you show up on time.	
April 1, 3, 5	Chapter 11	Chap 11, 2,3 due 04/12/2013
April 8, 10, 12	Chapter 12	Chap 12, 1, 3 due 04/19/2013
April 15,17, 19	Chapter 14	Chap 13, 1,2, Due 04/26/2013
April 22, 24, 26	Chapter 16 or Review sessions	
May 6	Final exam From 12:30 till 2:30 PM	Regular classroom.

Class attendance is expected. You are responsible for the material that will be covered in class and for all the homework problems assigned each week. The assigned homework will be graded each week. The home work needs to be done independently, and all home works have assigned deadlines. In this semester, I will institute a new method of teaching, where I will present a problem in each lecture, and ask you to help solving the problem. You can discuss with your peers and you should hand over your solutions to me after the class. The purpose of this excise is to make sure that you understand the concept of each lecture, and you are present in the class room.

You will have at least one week of time to do the homework. Study by consulting first your class notes and then finding the appropriate material in your textbook. Study carefully the problems that are worked out in your textbook.

There will be three closed book exams; the first two will contribute 22.5% each. The final exam will be comprehensive and it will carry 35% of the total weight. We have some flexibility in scheduling these mid-term exams so there will be no makeup exams.

The home work assigned each week will take 10% of the total weight in the final grade. In class work will take a total of 10% of the final grade. If you did the in-class problem entirely wrong, you will still get 50% of the credit for being there. Not submitting your in-class problem will be zero for that class.

A CALCULATOR is required.

Talking or disturbing the class in any other way will not be tolerated.

Come and talk to me about any concerns you might have regarding this course.

For each exam, you will be allowed to bring your textbook but nothing else. You can use your calculator, but no other materials are allowed in the exams.