

## Syllabus

Course: Introduction to solid state physics, Fall 2014 Instructor: Dr. Pengcheng Dai,  
Room 362 Brockman Hall, 713-3483731 or 865-6078067, e-mail: pdai@rice.edu  
Class: T.R. 10:50-12:05 Science and Tech Bldg 106, Textbook, Kittel 8<sup>th</sup> edition  
Office hours: T. R. 12:05-1:05 pm

Date	Chapter (Sections)	Homework problems will be assigned each week, and due days are listed
Aug. 26,28	Chapters 1	3, Due 09/04/2014
Sept. 2, 4	Chapters 2	3, 7, due 09/11/2014
Sept, 9, 11, 16,18	Chapters 3, 4	Chap. 3, #2, 5; Due 09/18/2014; Chap. 4, #2, 6; Due 09/25/2014
Sept. 23, 25	Sept. 25, 1 <sup>st</sup> exam, chapter 5	Chap 5, #4, due 10/02/2014
	Chapter 6	
	Chapter 7	
	Chapter 8	
	Chapter 9	
	Chapter 10	
	2 <sup>nd</sup> exam on	
	Chapter 11	
	Chapter 12	
	Chapter 14	
	Chapter 16	
	Final exam	

**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.**

**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. There will be no makeup exams for midterms.**

**The home work assigned each week will take 10% of the total weight in the final grade. The attendance will take a total of 10% of the final grade.**

**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 and class notes but nothing else. You can use your calculator, but no other materials are allowed in the exams.**