

PHYSICS 412 - Fall Quarter 2008

	Monday	Tuesday	Wednesday	Thursday	Friday
1	Sept. 22 Introduction QM review	23	24 Schrodinger Thy Particle in box	25	26
2	29 H-atom; Per. table Bonding mechanisms	30	Oct. 1 Crystal structures Crystal energy	2	3
3	6 Bonding and crystal structure	7	8 Crystal planes X-ray diff.	9	10
4	13 Crystal energy Mechanical props.	14	15 Heat capacity Einstein, Debye	16	17
5	20 Debye Theory Vibrational energy	21	22 EXAM 1	23	24
6	27 Electrons in metals Resistivity/Hall	28	29 Quantum free electron model	30	31
7	Nov. 3 g(e) and f(e) Electron Ht. Cap.	4	5 Intro to Band Theory	6	7
8	10 NFE model Interpretations	Veteran's Day	12 Metals/Insulators Band gap/overlap	13	14
9	17 EXAM 2	18	19 Semiconductors	20	21
10	24 Intrinsic/extrinsic Semicond. prop.	25	THANKSGIVING		
11	Dec. 1 The equilibrium pn junction	2	3 Semiconductor devices	4	5
12	8 FINAL EXAM 4 - 7 pm	9	10	11	12

NOTE: The schedule is only approximate so you know the material you should be reviewing.
 The exam dates may change.
 The week's experiments are indicated in the Wednesday column.

