

This is a tentative schedule. As the semester evolves, the schedule may change and will be updated.

Date	Day	Lecture	Content	Textbook	HW
9-Jan	M	1	Thermodynamics Review	Ch.11,12,13,14	
11-Jan	W	2	Thermodynamics Review	Ch.11,12,13,14	
13-Jan	F	3	Probability and Statistics Review	Ch.11,12,13,14	
16-Jan	M		MLK day (No Class)	Ch.3	
18-Jan	W	4	Probability and Statistics Review	Ch.3	
20-Jan	F	5	Microstates, Ensemble, Boltzmann Factor		HW A
23-Jan	M	6	Microstates, Ensemble, Boltzmann Factor	Ch.4	
25-Jan	W	7	Equipartition Theorem	Ch.4	
27-Jan	F	8	Equipartition Theorem	Ch.19	
30-Jan	M		Q1 (In Class)		
1-Feb	W	9	Partition Function	Ch.20	
3-Feb	F	10	Partition Function	Ch.20	
6-Feb	M	11	Ideal Gas	Ch.21	HW B
8-Feb	W	12	Ideal Gas	Ch.21	
10-Feb	F	13	Chemical Potential	Ch.22	
13-Feb	M	14	Chemical Potential	Ch.22	
15-Feb	W		Exam I		
17-Feb	F	15	Photons	Ch.23	
20-Feb	M	16	Photons	Ch.23	
22-Feb	W	17	Phonons	Ch.24	
24-Feb	F	18	Phonons	Ch.24	
27-Feb	M	19	Identical Particles	Ch.29	
2/29/2009	W	20	Identical Particles	Ch.29	
2-Mar	F	21	Quantum Statistics	Ch.30	HW C
5-Mar	M		Spring Break (No Class)	Ch.30	
7-Mar	W		Spring Break (No Class)		
9-Mar	F		Spring Break (No Class)		
12-Mar	M		Q2 (In class)		
14-Mar	W	22	Quantum Statistics	Ch.30	
16-Mar	F	23	Bose Gas	Ch.30	
19-Mar	M	24	Bose Gas and BEC		
21-Mar	W	25	BEC	Ch.30	
23-Mar	F	26	Fermi Gas	Ch.28	
26-Mar	M	27	Fermi Gas	Ch.28	HW D
28-Mar	W		Exam II		
30-Mar	F	28	Fermi Liquid		
2-Apr	M	29	First Order Transition		
4-Apr	W	30	First Order Transition		
6-Apr	F	31	Continuous Phase Transitions		
9-Apr	M		Q3 (In class)		
11-Apr	W	32	Ginzburg-Landau Theory of Phase Transition		HW E
13-Apr	F	33	Ginzburg-Landau Theory of Phase Transition		
16-Apr	M	34	Critical Phenomena		
18-Apr	W	35	Critical Phenomena		Paper Due
20-Apr	F	36	Transport		
23-Apr	M	37	Transport		
25-Apr	W		Exam III		