	TENT	ATIVE SCHEDULE FOR PHYS	SICS 404, Spring 2011		
Date	Mtg.#	Reading Assignment	Topic	HW Due	Exams
Week 1		Kittel-Kroemer \ Schroeder			
1/25	1	8 \ 1	Thermodynamics Part 1		
1/27	2	8 \ 1	Thermodynamics Part 2		
Week 2					
2/1	3	1\2	From micro to macro physics		
2/3	4	1\2	States and multiplicity. Configurations and probability of o	1	
Week 3					
2/8	5	2\2	Entropy and Temperature		
2/10	6	2\2	Laws of Thermodynamics	2	
Week 4					
2/15	7	3\6	Boltzmann Distribution		
2/17	8	3\5	Helmholtz Free Energy	3	
Week 5			2/		
2/22	9	3 \ 2, 6	Ideal Gas		
2/24		4\7	Thermal Radiation	4	
Week 6					
3/1	11	4\7	Planck Distribution, Phonons		
3/3	12	4\3	Chemical Potential	5	
Week 7					
3/8	13	5\7	Gibbs Distribution		
3/10	14		Chapters 1-4, 8 (roughly)		EXAM #1
Week 8			, , , , , , , , , , , , , , , , , , , ,		
3/15	15	5\8	Grand Canonical Ensemble, Gibbs Free Energy		
3/17		6\2,6	Classical Limits		
SPRING BRE	AK 21-				
Week 9					
3/29	17	7\7	Quantum Ideal Gas		
3/31		7\7	Bose Einstein	6	
Week 10					
4/5	19	7\7	Fermi-Dirac Distributions		
4/7		8\4	Heat Engines	7	
Week 11			3		
4/12	21	9\5	Gibbs Free Energy		
4/14		9\5	Chemical Reactions	8	
Week 12				-	
4/19	23	10 \ 8	Phase Transitions		
4/21			Chapters 5-7, 9 (roughly)		EXAM #2
Week 13			, , , , , , , , , , , , , , , , , , , ,		
4/26	25	10 \	Landau Theory		
4/28		11 \ 5	Binary Mixtures	9	
Week 14		- · · · <del>-</del>	-,		
5/3	27	14\6	Kinetic Theory		
5/5		15 \ 1.7	Heat Conduction	10	
Week 15					
5/10	29		Review		
3/10					
5/17	30		FINAL EXAM [1:30-3:30 pm]		FINAL EXAM
5,17	- 55				