

Phys344 Calendar (Subject to Change)			
Date	Lec/Tut	Topics	Ref
Fri 01/06	Lec 1	Introduction	1.1
Mon 01/09	Lec 2	The ideal gas, equipartition of energy	1.2-1.3
Tue 01/10	Tut 1	The ideal gas thermometer, heat and work	Ch1
Wed 01/11	Lec 3	Heat and work	1.4-1.5
Fri 01/13	Lec 4	Examples	G.C. 3.1-3.6
Mon 01/16	Lec 5	Heat capacities, enthalpy	1.6
Tue 01/17	Tut 2	heat and work problems	Ch1
Wed 01/18	Lec 6	Probabilities of two-state systems	2.1
Fri 01/20	Lec 7	The Einstein model of a solid	2.2-2.4
Mon 01/23	Lec 8	Entropy	2.6
Tut 01/24	Tut 3	Entropy problems	G.C. 4.1-4.3
Wed 01/25	Lec 9	Entropy, heat and temperature	3.1-3.2
Fri 01/27	Lec 10	Paramagnetism	3.3
Mon 01/30	Lec 11	mechanical equilibrium and pressure	3.4
Tue 01/31	Tut 4	Thermodynamics problems	Notes
Wed 02/01	Lec 12	Chemical potential	3.5
Fri 02/03	Lec 13	Examples	
Mon 02/06	Lec 14	Examples	
Tue 02/07	Tut 5	Examples	
Wed 02/08		Midterm	
Fri 02/10	Lec 15	Heat engines	4.1
02/13-02/17		Reading break	
Mon 02/20	Lec 16	Refrigerators	4.2
Tue 02/21	Tut 6	Examples	
Wed 02/22	Lec 17	Examples	Notes
Fri 02/24	Lec 18	Real machines	4.3-4.4
Mon 02/27	Lec 19	Examples	
Tue 02/28	Tut 7	Examples	
Wed 02/29	Lec 20	Free energy and thermodynamic identities	5.1-5.2
Fri 03/02	Lec 21	Phase transitions	5.3
Mon 03/05	Lec 22	Solutions	
Tue 03/06	Lec 23	Guest lecture 1	Notes
Wed 03/07	Lec 24		
Fri 03/09	Tut 8	Examples	
Mon 03/12	Tut 9	Examples	
Tue 03/13	Lec 25	Guest lecture 2	Notes
Wed 03/14	Lec 26		
Fri 03/16	Lec 27		
Mon 03/19	Tut 10	examples	Notes
Tue 03/20	Lec 28	Guest lecture 3	Notes
Wed 03/21	Lec 29	Examples	
Fri 03/23	Lec 30	Examples	

Mon 03/26	Lec 31		
Tue 03/27	Tut 11	Examples	
Wed 03/28	Lec 32		
Fri 03/30	Lec 33		
Mon 04/02	Lec 34	Review	
Tue 04/03	Tut 12	Cancelled	
Wed 04/04	Lec 35	Examples	
Fri 04/06		Good Friday	
Mon 04/09		Easter Monday	
Tue 04/10	Tut 13	Review	
Wed 04/11	Lec 36	Review	
Sat 04/14		Final Exam (3:30-6:30pm)	