

## **7B Discussion and Lab Schedule – Spring 2008 - GSI Version:**

*Note: During lab weeks, lab may be in second meeting for your section. Updated 1/17/08*

<b>Week</b>	<b>First Meeting</b>	<b>Second Meeting</b>	<b>Notes</b>
Week 1 (1/21 - 1/25)	Introductions T1 (Ideal Gas Law, Equipartition)	T1 (continued) T2 (Thermal Expansion, Kinetic Theory, Calorimetry)	<i>No Class on Monday, 1/21</i>
Week 2 (1/28 - 2/1)	T2 (continued) T3 (Heat Transfer)	T3 (continued) T4 (The 1 <sup>st</sup> Law)	<i>No Class on Monday</i> Drop Deadline: 2/1
Week 3 (2/4 - 2/8)	T4 (continued) TS-1 (Ideal Gas Transformations) T5 (Heat Engines)	T5 (continued) TS-2 (Efficiency of the Carnot Engine - Hard) T6 (Entropy & the 2 <sup>nd</sup> Law)	Quiz 1
Week 4 (2/11 - 2/15)	<b>LAB 1 (Heat Engines)</b>	T6 (continued) TS-2 (Efficiency of the Carnot Engine - Easy)	
Week 5 (2/18 - 2/22)	T7 (Entropy: Other Topics)	<b>Thermo Review</b>	<i>No class on Monday, 2/18</i> Quiz 2
Week 6 (2/25 - 2/29)	E1 (Coulomb's Law)	E2 (Electric Fields)	<b>MT1</b> - 2/25, 2/26
Week 7 (3/3 - 3/7)	E3 (Gauss' Law) <i>Hand Back Midterm 1</i>	E3 (continued) E4 (Conductors) E5 (Electric Potential)	Quiz 3
Week 8 (3/10 - 3/14)	E5 (Electric Potential)	E6 (Capacitance)	
Week 9 (3/17 - 3/21)	<b>LAB 2 (Equipotential Surfaces)</b>	E7 (DC Circuits)	Quiz 4
Week 10 (3/31 - 4/4)	<b>LAB 3 (DC Circuits)</b>	<b>Electro Review</b>	
Week 11 (4/7 - 4/11)	M1 (Intro to Magnetism) M2 (Lorentz Force Law) Right Hand Rules	M3 (Magnetic Fields)	<b>MT2</b> - 4/7, 4/8
Week 12 (4/14 - 4/18)	M4 (Ampere's Law)	<b>LAB 4 (Charge to Mass Ratio)</b>	Quiz 5
Week 13 (4/21 - 4/25)	M5 (Faraday's Law)	M6 (Inductance)	
Week 14 (4/28 - 5/2)	C1 (RC Circuits) C2 (LR Circuits) C3 (LRC and AC Circuits)	C3 (continued) C4 (AC Circuits and Impedance)	Quiz 6

Week 15 (5/5 - 5/9)	<b>LAB 5 (Time Dependant Circuits)</b>	M7 (Displacement Current) Maxwell's Equations	<i>There is a Monday section on Monday, 5/12.</i>
Finals (5/15 - 5/15)	Section Reviews, if you'd like to reserve your room.		<b>Final Exam - 5/15</b>

**Midterm 1**

Review 1	Saturday, 2/23, 2-4	1 Pimentel
Review 2	Sunday, 2/24, 2-4	1 Pimentel
Section 1 (Packard)	Monday, 2/25, 6-9	1 Pimentel
Section 2 (Zettl)	Tuesday, 2/26, 6-9	1 Pimentel

**Midterm 2**

Review 1	Saturday, 4/5, 2-4	1 Pimentel
Review 2	Sunday, 4/6, 2-4	1 Pimentel
Section 1 (Packard)	Monday, 4/7, 6-9	1 Pimentel
Section 2 (Zettl)	Tuesday, 4/8, 6-9	155 Dwinelle

**Final**

Section 1 (Packard)	Thursday, May 15, 8:00-11:00	Exam Group 1
Section 2 (Zettl)	Thursday, May 15, 12:30-3:30	Exam Group 2