Date	Day	Topic	Reading (9th Ed)	Assignment Due
27-Aug	M	Introduction. Fundamentals (units)	Section F	
29-Aug	W	Equipartition. Speeds. Ideal Gas Law.	1.1-1.2, 20.1	HW #1 Fundamentals
31-Aug	F	Real Gases. Van der Waals fluid	1.3-1.4	
5-Sep	W	Corresponding States. Review		HW #2 Gas Behavior
7-Sep	F	Work, heat, energy. The 1st Law.	2.1-2.2	Math Review 1
10-Sep	M	Expansion work	2.3	
12-Sep	W	Heat.	2.4-2.5	Math Review 2
14-Sep	F	Enthalpy and Heat Capacity		HW#3 (q and w)
17-Sep	M	Adiabatic Changes. State Functions	2.6-2.7	
19-Sep	W	Thermochemistry	2.8-2.9	
21-Sep	F	Joule-Thomson effect	2.11-2.12	HW#4 Thermochemistry
24-Sep	M	Catch Up and Review		Draft of Cheat Sheet
26-Sep	W	**Exam #1**		
28-Sep	F	The 2nd Law	3.1-3.2	
1-Oct	M	Entropy as a State Function	3.3	
3-Oct	W	Entropy Changes and the 3rd Law	3.4	
5-Oct	F	Free Energy isn't free	3.5-3.6	HW #5 ΔS
8-Oct	M	Standard Molar Gibbs Free Energies		
10-Oct	W	Combining the 1st and 2nd Laws	3.7-3.9	
12-Oct	F	Chemical Potential		
15-Oct	M	Phase Diagrams	4.1-4.3	HW #6 G
17-Oct	W	Phase Boundaries and Stabilities	4.4-4.5	
19-Oct	F	Curved Surfaces		
22-Oct	M	Partial Molar Quantities	5.1-5.3	
24-Oct	W	Ideal Dilute Solututions	5.4	HW #7 ΔG
26-Oct	F	Review		Draft of Cheat Sheet
29-Oct	M	**Exam #2**		
31-Oct	W	Colligative Properties 1	5.5	
2-Nov	F	Colligative Properties 2	5.10-5.11	
5-Nov	M	Colligative Properties 3		
7-Nov	W	Phase Diagrams 1	5.6-5.7	HW #8 Colligative Properties
9-Nov	F	Phase Diagrams 2	5.8-5.9	
12-Nov	M	Chemical Equilibrium 1	6.1	
14-Nov	W	Chemical Equilbrium 2	6.2	
16-Nov	F	Shifts in Position of Equilibrium	6.3-6.4	HW #9 Chem. Equilibrium 1
		Thanksgiving Break		
26-Nov	M	Activities of Ions	5.13	
28-Nov	W	Electrochemical Cells 1	6.5-6.8	
30-Nov	F	Electrochemical Cells 2	6.9	HW #10 Chem. Equilibrium 2
3-Dec	M	Review		Draft of Cheat Sheet
5-Dec	W	**Exam #3**		
7-Dec	F	Special Topics		
Friday, Dec. 12, 8-10 a.m. Final Exam (tentative)				