

Chem 301
Physical Chemistry I
Fall 2007

<i>APPROXIMATE DATE</i>	<i>TOPIC</i>	<i>PAGES IN LEVINE</i>
I. Thermodynamics		
Aug 29,31, Sept 3,5	A. First law	1-68, 140-155
Sept 7,10,12,14,19,21	B. Second and third laws	76-100, 156-161, 168-169
Sept 24,26,28	C. Helmholtz and Gibbs energies	106-124
Oct 1,3	D. Chemical equilibria	124-134, 174-191, 194-197
Oct 5,8,12,17	E. Phase equilibria in one-component systems	201-223, 230-245
Oct 19,22,24,26,29	F. Two-component systems	249-268, 341-373
II. Kinetics		
Nov 2,5,7,9	A. Kinetic theory of gases	457-481
Nov 12,14,16,19,26,30	B. Rate laws	528-538, 544-552
Dec 3,5,7	C. Theories of reaction rates	554-559, 879-882

<i>DATE</i>	<i>ASSESSMENTS</i>
Sept 17	1st exam. in class
Oct 11	2nd exam. Thurs evening 7:00 (Review in class on Wed, Oct 10)
Nov 1	3rd exam. Thurs evening 7:00 (Review in class on Wed, Oct 31)
Nov 29	4th exam. Thurs evening 7:00 (Review in class on Wed, Nov 28)
Dec 13	Final exam. Thurs afternoon 1:30 (Review on Tues, Dec 11)