

Chemistry 360
Introductory Physical Chemistry
 Fall 2009 Calendar

Aug 2009	Chapter 1- Defining a state Thermodynamic variables, gas laws	31 Lec 1	1 Disc 1	2 Lec 2 Disc 1	3	4 Lec 3 HW 1 assigned
	Chapters 3,4- First law, thermochemistry	7 Lec 4	8 Disc 2	9 Lec 5 Disc 2	10	11 Lec 6 HW 1 due HW 2 assigned
Sep 2009	Chapters 5, 6 Entropy, free energy	14 Lec 7	15 Disc 3	16 Lec 8 Disc 3	17	18 Lec 9 HW 2 due HW 3 assigned
	Chapters 7, 10 Equilibrium, phase equilibria, colligative properties	21 Lec 10	22 Disc 4	23 Lec 11 Disc 4	24	25 Lec 12 HW 3 due HW 4 assigned
	Chapter 11- Solutions Review for Midterm 1	28 Lec 13	29 Disc 5	30 Lec 14 Disc 5	1	2 Lec 15 <i>Midterm 1 in class</i>
Oct 2009	Chapter 9- Electrochemistry	5 Lec 16	6 Disc 6	7 Lec 17 Disc	8	9 Lec 18 HW 4 due HW 5 assigned
	Chapter 12- Phenomenological kinetics	12 Lec 19	13 Disc 7	14 Lec 20 Disc 7	15	16 Lec 21 HW 5 due HW 6 assigned
	Chapter 13, 2 - T-dependence, more advanced topics in kinetics	19 Lec 22	20 Disc 8-	21 Lec 23 Disc 8	22	23 Lec 24 HW 6 due HW 7 assigned
	Kinetic theory of gasses, collision theory, transition state theory	26 Lec 25	27 Disc 9	28 Lec 26 Disc 9	29	30 Lec 27 HW 7 due HW 8 assigned
Nov 2009	Chapter 14- Introduction to quantum mechanics, Review for Midterm 2	2 Lec 28	3 Disc 10	4 Lec 29 Disc 10	5	6 Lec 30 <i>Midterm 2 in class</i>

	Chapter 14- postulates of QM, model systems	9 Lec 31	10 Disc 11	11 Lec 32 Disc 11	12	13 Lec 33 HW 8 due HW 9 assigned
	Chapter 15- Atomic structure and spectroscopy	16 Lec 34	17 Disc 12	18 Lec 35 Disc 12	19	20 Lec 36 HW 9 due HW 10 assigned
	Chapter 16, 17 Properties of diatomic molecules	23 Lec 37	24 No Disc	25 NO LEC No Disc	26	27 NO LEC
	Chapter 18 Electronic structure of polyatomics	30 Lec 38	1 Disc 13	2 Lec 39 Disc 13	3	4 Lec40 HW 10 due Practice final available
Dec 2009	Finish polyatomics, review for final	7 Lec 41	8 Disc 14	9 Lec 42 Disc 14	10	11 Lec 43
		14 FINALS WEEK	15	16	17	18