

## Chem 161 Reading assignments and problem sets:

Day	Chapter	Topic	Problem set	
1	M	1	Study of chemistry	<u>Ch 1</u> : 23, 39, 66
		2	Components of matter	<u>Ch 2</u> : 41,46,57,58,59,62,84,85,102
2	T	3	Stoichiometry	<u>Ch 3</u> : 13, 44, 68, 72, 84, 92, 100, 119ab
		4	Chemical reactions	<u>Ch 4</u> : 15a, 16a, 34, 46 (molecular equation only), 60, 67, 70
3	W	5	Gases	<u>Ch 5</u> : 24,27,29,39,46,52,65abde,66abde,85, 102,104
		7	Quantum theory	
4	Th	<b>Quiz #1 (Ch 1-4); course notebooks due at 9:00</b>		
		7	Atomic structure	<u>Ch 7</u> : 12, 13, 24, 32, 48, 55, 59, 62
		8	Electronic configuration	<u>Ch 8</u> : 9, 12, 21, 29
5	F	8	Periodicity	<u>Ch 8</u> : 31,41, 53, 55, 57, 63, 82, 84, 86, 89
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6	M	<b>Exam #1 (9 - 11:00); course notebooks due at 9:00</b>		
		6 (1-3 pm)	Thermochemistry	Problem sets will be distributed later
7	T	9	Chemical bonding	
8	W	10	Shapes of molecules	
9	Th	<b>Quiz #2 (Ch 6)</b>		
		11	Theories of bonding	
		12	Intermolecular forces	
10	F	12	Intermolecular forces	
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11	M	<b>Exam #2 (9 - 11:00); course notebooks due at 9:00</b>		
		13 (1-3 pm)	Properties of mixtures	
12	T	17	Chemical equilibrium	
		18	Acid-base equilibria	
13	W	18	Acid-base equilibria	
		19	Ionic equilibria	
14	Th	<b>Quiz #3 (Ch 17)</b>		
		19	Ionic equilibria	
		20	Thermodynamics	
15	F	20	Thermodynamics	
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16	M	16	Kinetics	
17	T	16	Kinetics	
			Review	
18	W	<b>Final exam; course notebooks due at 9:00</b>		