Chapter	Quiz	Lectures	Discussions	Labs
1:The atom in modern chemistry	1	1, May 24	1	May 26, Exp. #1. Lab orientation and introductory virtual lab
2: Chemical formulas, equation and reaction yields	1	2-3, May 25-26	2	June 2, Exp. #2. Empirical formula for a hydrate
3: Atomic shells and classical models of chemiscal bonding	1	3-4, May 26-27	3	
9: The gaseous state	2	4-7, May 27-June 4	4	June 4, Exp. #3. Charles Law
			5	
			6	
10: Solids, liquids and phsae transtions	3	7-9, June 4-9	7	
			8	
11: Solutions	3	9, June 9	9	June 9, Exp. #4. Molar mass by freezing point depression
12: Thermodynamic processes and thermocemistry	4	9-11, June 10-15	10	June 14, Exp. #5. Enthalpy change of reaction
			11	
13: Spontaneous processes and thermodynamic equilibrium	4	12-13, June 15-17	12	
			13	
14: Chemical equilibrium	5	13-15, June 22-23	14	
16: Solubility and precipitation equilibria	5	16, June 24	15	June 16, Exp. #6. Solubility lab: precipitation titration of $CoCl_2$
15: Acid-base equilibria		15-16, June 24	16	June 23, Exp. #7: Titrations of acids tutorial
				June 28, Exp. #8. Titrations of strong and weak acids
17: Electrochemistry		17, 18, June 29-30	17	June 30, Exp #10 Electrochemistry