

CHEM 200 & CHEM 202* Course Outline

Spring 2012

Date	Lecture Monday	Laboratory Monday/Tuesday	Lecture Wednesday	Discussion* Wednesday/Thursday	Lecture Friday
Week #1 Jan 16-20		No Lab Meeting	First day of lecture Introduction Ch. 1	Ch. 1 & 2 Review (p. 194)	Chemical Nomenclature Stoichiometry Ch. 2 & 3
Week #2 Jan 23-27	Limiting Reactants Percent Yield Ch. 3	Safety Discussion Exp. 1	Chemical Reactions Ch. 4	Quiz 1	Chemical Reactions Ch. 4
Week #3 Jan 30 – Feb 3	Chemical Reactions Ch. 4	Conductivity Demo (last day to drop classes)	Gas Laws & Kinetic Molecular Theory Ch. 4 & 5	Quiz 2 (last day to add classes)	Gas Laws & Kinetic Molecular Theory Ch. 5
Week #4 Feb 6 – 10	Gas Laws & Kinetic Molecular Theory Ch. 5	Exp. 3: Decomposition of KClO_3	Gas Laws & Kinetic Molecular Theory Ch. 5	Quiz 3	Thermochemistry Ch. 5 & 6
Week #5 Feb 13 – 17	Thermochemistry Ch. 6	Exp. 4: Calorimetry Part 1	Thermochemistry Ch. 6	Exam Review	Exam 1 2:00 PM – 3:40 PM
Week #6 Feb 20 – 24	Thermochemistry Ch. 6	Exp. 5: Calorimetry Part 2 Exam 1 Returned	Thermochemistry Quantum Theory Ch. 6 & 7	Quiz 4	Quantum Theory & Atomic Structure Ch. 7

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Week #7 Feb 27 – Mar 2	Quantum Theory & Atomic Structure Ch. 7	Exp. 6: Emission Spectra	Quantum Theory & Atomic Structure Ch. 7	Quiz 5	Electron Configuration Chemical Periodicity Ch. 8
Week #8 Mar 5 – 9	Electron Configuration Chemical Periodicity Ch. 8	Exp. 7: Qualitative Analysis	Electron Configuration Chemical Periodicity Ch. 8	Quiz 6	Electron Configuration Chemical Periodicity Ch. 8
Week #9 Mar 12 – 16	Models of Chemical Bonding Ch. 9	Exp. 8: pH	Models of Chemical Bonding Ch. 9	Exam Review	Exam 2 2:00 PM – 3:40 PM
Week #10 Mar 19 – 23	Models of Chemical Bonding Ch. 9	Exp. 2: Avagadro's Number Exam #2 Returned	Shapes of Molecules Ch. 10	Quiz 7	Shapes of Molecules Ch. 10
Week #11 Mar 26 – 30		SPRING RECESS		SPRING RECESS	
Week #12 Apr 2 – 6	Shapes of Molecules Ch. 10	Exp. 9: Analysis of an Alloy, Part 1	Theories of Covalent Bonding Ch. 10 & 11	Quiz 8	Theories of Covalent Bonding Ch. 11

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Week #13 Apr 9 – 13	Theories of Covalent Bonding Ch. 11	Exp. 10: Analysis of an Alloy, Part 2	Theories of Covalent Bonding Ch. 11	Quiz 9	Theories of Covalent Bonding Ch. 11
Week #14 Apr 16 – 20	Intermolecular Forces Ch. 11 & 12	Exp. 11: Standardization of NaOH	Intermolecular Forces Ch. 12	Exam Review	Exam 3 2:00 PM – 3:40 PM
Week #15 Apr 23 – 27	Intermolecular Forces Ch. 12	Exp. 12: Molar Mass of an Unknown Acid Exam #3 Returned	Intermolecular Forces Ch. 12	Quiz 10	Intermolecular Forces Ch. 12
Week #16 Apr 30 – May 4	Properties of Mixtures Ch. 12 & 13	Lab Practical Exam	Properties of Mixtures Ch. 13	Exam Review	Properties of Mixtures Ch. 13
Week #17 May 7 – 11	Properties of Mixtures Ch. 13	Locker Checkout	Properties of Mixtures Ch. 13 Last day of classes	NO LAB	

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Final Exam: Saturday, May 12, 6 pm-8 pm