Daily Schedule for CHM-122/3 Fall 2008

This is a tentative schedule and subject to change as circumstances require.

	Monday	Tuesday	Wednesday	Thursday	Friday
August	25 Meetings NO DAY CLASSES	26 Lecture: Intro Chapter 2 sig fig, sci notation, factor label, metric LAB: Say hello and lab intro	27 Lecture: Intro Chapter 2 sig fig, sci notation, factor label, metric LAB: Say hello and lab intro	28 Lecture: Chapter 12 Alkanes, methyl, ethyl, isopropyl isomers, tetrahedron LAB: Say hello and lab intro	29 Lecture: Chapter 12 Alkanes, methyl, ethyl, isopropyl isomers, tetrahedron LAB: Say hello and lab intro
September	1 LABOR DAY NO CLASSES **LAB:** Attend tour and Math Review in one of the other lab sections: Sept. 2nd(T: 11AM or 6:30PM) or 3rd(W: 11AM or 2PM) or 4th(R11AM or 2PM) or 5th(F:11AM) **THIS WEEK ONLY**	2 Lecture: Chapter 2 temp conversion, density, specific gravity Chapter 12: Isomers LAB: Math Review	3 Lecture: Chapter 2 temp conversion, density, specific gravity LAB: Math Review	4 Lecture: Chapter 12 Alkane properties, cycloalkanes Chapter 14.11 alkyl halides Chapter 1,3 atoms, isotopes LAB: Math Review	5 Lecture: Chapter 12 Alkane properties isomers, cycloalkanes Chapter 14.11 alkyl halides LAB: Math Review
September	8 Lecture: Chapter 1,3 isotopes, atomic weight (daltons), periodic table LAB 1: Intro, safety quiz, and Pennies Lab	9 Lecture: Chapter 3 atomic weight (Daltons), periodic table, families, electron config. for s and p, Chapter 4: ions and octet rule LAB 1: Intro, safety quiz, and Pennies Lab	10 Lecture: Chapter 3 periodic table, families, electron configuration for s and p LAB 1: Intro, safety quiz, and Pennies Lab	11 Lecture: Chapter 13 Alkenes, alkynes, cis-trans, shapes and prop. Chapter 4 naming ions and salts, polyatomic ions LAB 1: Intro, safety quiz, and Pennies Lab	12 Lecture: Chapter 13 Alkenes, alkynes, cis-trans. LAB 1: Intro, safety quiz, and Pennies Lab

	Monday	Tuesday	Wednesday	Thursday	Friday
September	15 Lecture: Chapter 4 ions and octet rule, naming ions and salts LAB 2: Molecular Models of Organic Compounds	16 Lecture: Chapter 4 acids, bases, identify formula as acid, base, or salt LAB 2: Molecular Models of Organic Compounds	17 Lecture: Chapter 4 Polyatomic ions, acids, bases, identify formula as acid, base, or salt LAB 2: Molecular Models of Organic Compounds	18 Lecture: Chapter 5 Covalent bonds, name molecules, Lewis dots, molecular shapes, LAB 2: Molecular Models of Organic Compounds	19 Lecture: Chapter 13 Cis-trans, shapes and prop. LAB 2: Molecular Models of Organic Compounds
September	22 Lecture: **EXAM I** (covers material to this point: chp.1,2,3,4, 12,13,14.11) LAB 3: Investigating Physical and Chemical Properties	23 Lecture: **EXAM I** (covers material to this point: chp.1,2,3,4, 12,13,14.11) LAB 3: Investigating Physical and Chemical Properties	24 Lecture: Chapter 5 Covalent bonds, name molecules, Lewis dots LAB 3: Investigating Physical and Chemical Properties	25 Lecture: Chapter 13 aromatics, addn vs substitution rxn Chapter 5: Electroneg. LAB 3: Investigating Physical and Chemical Properties	26 Lecture: Chapter 13 aromatics, addn vs substitution rxn LAB 3: Investigating Physical and Chemical Properties
September/October	29 Lecture: Chapter 5 molecular shapes, electronegativity LAB 4: Synthesis of Alum	30 Lecture: Chapter 6 word eqn to balanced formula eqn. LAB 4: Synthesis of Alum	1 Lecture: Chapter 6 word eqn to balanced formula eqn. LAB 4: Synthesis of Alum	2 Lecture: Chapter 6 Types of chemical rxn Chapter 14 Alcohols, name and structure LAB 4: Synthesis of Alum	3 Lecture: Chapter 14 Alcohols, name and structure LAB 4: Synthesis of Alum
October	6 Lecture: Chapter 6 Types of chemical rxn LAB 5: Iron Measurement by Beer's Law	7 Lecture: Chapter 6 Types of chemical rxn, gram-mole LAB 5: Iron Measurement by Beer's Law	8 Lecture: Chapter 6 reactions and gram-mole LAB 5: Iron Measurement by Beer's Law	9 Lecture: Chapter 14 Alcohol, phenol, physical prop Chapter 7: Free energy equation LAB 5: Iron Measurement by Beer's Law	10 Lecture: Chapter 14 Alcohol, phenol, physical prop LAB 5: Iron Measurement by Beer's Law

	Monday	Tuesday	Wednesday	Thursday	Friday
October	13 FALL BREAK	14 FALL BREAK	15 Lecture: Chapter 7 Free energy equation, reaction rates, hypo and hyper thermia Lab Makeup: By appointment ONLY	16 Lecture: **EXAM II** chapters 5,6,7,13, 14(ROH) Lab Makeup: By appointment ONLY	17 Lecture: **EXAM II** chapters 4,6,7,13, 14(ROH) Lab Makeup: By appointment ONLY
October	20 Lecture: Chapter 7 Equilibrium and LeChatelier's Principle LAB 6: Individual Research Projects	21 Lecture: Chapter 7 Reaction rates, hypo and hyperthermia,equilibrium, LeChatelier's principle LAB 6: Individual Research Projects	22 Lecture: Chapter 8 Gases, P,V,T relationships LAB 6: Individual Research Projects	23 Lecture: Chapter 8 Gases, P,V,T relationships Chapter 14 Ether, Thiol LAB 6: Individual Research Projects	24 Lecture: Chapter 14 Ether, Thiol LAB 6: Individual Research Projects
October	27 Lecture: Chapter 8 Partial pressures, intermolecular attractions LAB 7: Reaction Rates and the Iodine Clock	28 Lecture: Chapter 8 Partial pressures, intermolecular attractions Chapter 9 Solutions, colloids, suspensions LAB 7: Reaction Rates and the Iodine Clock	29 Lecture: Chapter 9 Solutions, colloids, suspensions, dialysis and separation techniques LAB 7: Reaction Rates and the Iodine Clock	30 Lecture: Chapter 9 Separation techniques Chapter 15 Amines, organic bases LAB 7: Reaction Rates and the Iodine Clock	31 Lecture: Chapter 15: Amines, organic base LAB 7: Reaction Rates and the Iodine Clock
November	2 Lecture: Chapter 9 Concentration: %, ppm, ppb LAB 8: Properties of Mixtures	3 Lecture: Chapter 9 Concentration: %, ppm, ppb, molarity, equivalents LAB 8: Properties of Mixtures	4 Lecture: Chapter 9 Concentration: molarity, equivalents, osmolarity LAB 8: Properties of Mixtures	5 Chapter 9: Osmolarity Chapter 16 Aldehydes and Ketones, Oxidation-Reduction in organic chemistry LAB 8: Properties of Mixtures	6 Lecture: Chapter 16 Aldehydes and Ketones, Oxidation-Reduction in organic chemistry LAB 8: Properties of Mixtures

	Monday	Tuesday	Wednesday	Thursday	Friday
November	10 Lecture: **EXAM III** (chp. 7,8,9,14,15,16) LAB 9: Organic Synthesis-Esters	11 Lecture: **EXAM III** (chp. 7,8,9,14,15,16) LAB 9: Organic Synthesis-Esters	12 Lecture: Chapter 10 Acid-base strength, reactions, pH LAB 9: Organic Synthesis-Esters	13 Lecture: Chapter 10 Acid-base strength, reactions, pH, buffers LAB 9: Organic Synthesis-Esters	14 Lecture: Chapter 17 Carboxylic acids and salts. LAB 9: Organic Synthesis-Esters
November	17 Lecture: Chapter 10 Buffers **ALL LAB SECTIONS: PAPERS ON ORGANIC COMPOUNDS DUE TODAY** Lab Makeup: By appointment ONLY	18 Lecture: Chapter 17 Carboxylic acids and salts. Chapter 29 Body Fluids Lab Makeup: By appointment ONLY	19 THANKSGIVING BREAK	20 THANKSGIVING BREAK	21 THANKSGIVING BREAK
November	24 Lecture: Chapter 29 Body Fluids LAB 10: Calculating Concentrations with IV Solutions	25 Lecture: Chapter 11 Nuclear Decay Reactions, Half-life, dating LAB 10: Calculating Concentrations with IV Solutions	26 Lecture: Chapter 11 Nuclear Decay Reactions LAB 10: Calculating Concentrations with IV Solutions	27 Lecture: Chapter 17 Amides, esters, biomolecules LAB 10: Calculating Concentrations with IV Solutions	28 Lecture: Chapter 17 Amides, esters, biomolecules LAB 10: Calculating Concentrations with IV Solutions
December	1 Lecture: Chapter 11 Half-life, dating LAB: Check-out Final exam review **Last day to hand in lab work for grading**	2 Chapter 11 Biological Effects of Radiation LAB: Check-out Final exam review **Last day to hand in lab work for grading**	3 Chapter 11 Biological Effects of Radiation LAB: Check-out Final exam review **Last day to hand in lab work for grading**	4 Lecture: **EXAM IV** (chp. 10,11,29,17) LAB: Check-out Final exam review **Last day to hand in lab work for grading**	5 Lecture: **EXAM IV** (chp. 10,11,29,17) LAB: Check-out Final exam review **Last day to hand in lab work for grading**

	Monday	Tuesday	Wednesday	Thursday	Friday
December	8 Lecture: General Review NO LAB	9 Lecture: General Review NO LAB	10 READING DAY No Classes	11 FINAL EXAMS*	12 FINAL EXAMS*
December	15 FINAL EXAMS*	16 FINAL EXAMS*	17 COMMENCEMENT*		

*Check College master schedule for exam date and time for your schedule. NOTE: Chemistry exam is a cumulative final exam given to lecture classes. There are no laboratory final exams.

Principles in General and Organic Chemistry CHM-122/3

Lecture Classes

122.101	MWF	8:00-8:50AM	Dunstan	CH-223
122.102	MWF	8:00-8:50AM	Bierman	CH-103
122.103	MWF	9:00-9:50AM	Dunstan	CH-223
122.104	MWF	10:00-10:50AM	Dunstan	CH-223
122.105	MWF	2:00-2:50PM	Bierman	CH-103
122.106	TH	8:00-9:15AM	Bierman	CH-106

Laboratory Classes: ALL LAB CLASSES MEET IN CH-110

123.501	M	11:00AM-1:45PM	Mrs. Mowery
123.502	M	2:00PM-4:45PM	Mrs. Gilley
123.503	T	11:00AM-1:45PM	Mrs. Stager
123.504	T	6:30-9:15PM	Mrs. Stone
123.505	W	11:00AM-1:45PM	Mrs. Seitz
123.506	W	2:00-4:45PM	Mrs. Seitz
123.507	R	11:00AM-1:45PM	Mrs. Gilley
123.508	R	2:00PM-4:45PM	Mrs. Gilley
123.509	F	11:00AM-1:45PM	Mrs. Stager