

Chem& 161 Tentative Schedule for Section D
Fall 2013 – Ken Marr

Caution! This schedule is only approximate and is subject to change!

Week Starting	Topic	Reading	Lab (Usually on Thursdays) Section D: 10:00 – 11:50 a.m.
Week 1. Sept. 23	Unit 1: Measurement and Matter	• Measurement and SI Units • Problem Solving in Chemistry • Units and Converting between units	Chapter 1 • Lab Drawer Check In • Lab 1. How Can the Density of a Substance be Determined Accurately and Precisely?
Week 2. Sept. 23		• Precision and accuracy • Matter • Atomic Structure	Finish Chapter 1 Start Ch 2 Lab 2. The Density of a Liquid Mixture
Week 3. Oct. 7		• Chemical bonding • Compounds & Naming compounds	Finish Ch 2 Lab 3. Analysis of Hydrated Sulfate Salts
Week 4. Oct. 14	Unit 2: Stoichiometry and Chemical Reactions	• Moles and molar mass • Empirical and Molecular Formulas • Exam 1: Thurs 10/17/13 in SC-323	Start Chapter 3 • Exam #1 Thurs 10/17/13 in SC-323 • Portfolio #1 due at start of exam
Week 5. Oct. 21		• Balancing equations • Stoichiometric calculations	Chapter 3 Lab 4. Reaction of Hydrogen Peroxide and Bleach
Week 6. Oct. 28		Tuesday Oct. 29, 2013 Faculty In-service: No Daytime classes • Solution chemistry • Stoichiometry	Finish Chapter 3 Start Chapter 4 Lab 5. The Nine-Solution Problem
Week 7. Nov. 4		Wednesday Nov. 6, 2013 Advising Day: No Daytime classes • Precipitation & Redox reactions	Finish Chapter 4 Lab 6. Comrades, Start Your Airbags
Week 8. Nov. 11	Unit 3: Gases and Energy	• Monday Nov. 11, 2013 Veteran's Day: Campus closed • Gases: Gas laws, Gases & reactions, Stoichiometry • Exam 2: Take in GRCC Testing Center outside of class time either Wednesday 011/13/13 or Thursday 11/14/13— your choice. Bring picture I.D.	Start Chapter 5 Lab 7. Analysis of Hard Water (Start on <u>Tuesday</u> and Finish on <u>Thursday!</u>)
Week 9: Nov. 18		• Portfolio #2 due on Monday • Gases: Gas laws, Gases & reactions, Stoichiometry • Kinetic molecular theory, Real gases	Finish Chapter 5 Start Chapter 6 Lab 8. Determination of the Gas Law Constant
Week 10. Nov. 25		• Energy and chemical changes, Calorimetry, Hess's Law • Thurs & Fri Nov. 28 – 29, 2013 Thanksgiving: Campus closed	Chapter 6 No lab this week!
Week 11. Dec. 2		• Energy and chemical changes, Calorimetry, Hess's Law • Standard Heats of Reaction	Finish Chapter 6 • Lab 9. Hess's Law • Lab Drawer Check Out
Week 12. Dec. 9 Final Exam Week!!	<ul style="list-style-type: none"> • Tuesday Dec. 10 Study Day: No daytime classes; But.... 10-12 a.m.: Review/Question Session in SC-323 (Attendance optional) • Final Exam (Portfolio #3 Due at start of exam) Sec. D: 10 a.m. to 12 p.m. Thursday 12/12/13 in SC-323 		No lab this week!