

ACADEMIC SCHEDULE – CHE 111 CONCEPTS OF CHEMISTRY

LECTURE: 11:00AM – 12:25PM TUESDAY/THURSDAY

LAB: 01:00PM – 04:00PM THURSDAY

SPRING 2011

JAMES E. COPELAND

WEEK – DATE	*****LESSONS*****
1 / 1/20	Orientation / The Scientific Method / Matter Chapters 1 & 2
2 / 1/25	Matter & Energy – Required reading – Chapter 2
2 / 1/27	Quiz 1 / Matter & Energy cont'd / Measurements in Chemistry – Required reading – Chapter 3
3 / 2/01	Measurements in Chemistry – Required reading – Chapter 3
3 / 2/03	Open – Instructor 's professional day – Classes not in session.
4 / 2/08	Quiz 2/Measurements cont'd. / Atom, Elements, & Compounds – Required reading – Chapter 4 & 18
4 / 2/10	Chaps. 4 & 18 cont'd./Electron Arrangement–Required reading – Chapter 5
5 / 2/15	Electron Arrangement – Required reading – Chapter 5
5 / 2/17	Quiz 3/ Electron Arrangements cont'd. & Chemical Bonding – Chapter 8
6 / 2/22	Chemical Bonds – Required reading – Chapter 8/ Chemical Bonding & Formula Writing – Required reading – Chapter 8
6 / 2/24	*****UNIT TEST 1*****
7 / 3/01	The Periodic Table – Required reading - Chapter 7
7 / 3/03	The Periodic Table – Required reading – Chapter 7
8 / 3/08	Quiz 4 (Take Home) <u>DUE 11am {3/10/2011}</u> / Naming Inorganic Compounds – Required Reading – Chapter 6
8 / 3/10	Naming inorganic compounds cont'd / Calculating formula weights – Required Reading – Chapter 9
9 / 3/15	<i>Spring Break</i>
9 / 3/17	<i>Spring Break</i>
10 / 3/22	The Mole/Percent Composition/Empirical Formulas – Required reading Chapters 4,9
10 / 3/24	Quiz 5/ Chapter 9 cont'd / Chemical Equations – Required reading Chapter 10
11 / 3/29	Stoichiometry – Required reading – Chapter 11
11 / 3/31	Quiz 6/ Gases & the Gas Laws – Required reading – Chapter 12

12	/	4/05	Water / Liquids / Solids – Required reading – Chapter 13
12	/	4/07	*****UNIT TEST 2*****
13	/	4/12	Solutions – Required reading – Chapter 14
13	/	4/14	Quiz 7/ Solution cont'd – Ionization / Acid – Bases / Electrolytes Required reading Chapter 16
14	/	4/19	Oxidation –Reduction Reaction rates / Electrolytic Cells / Chemical Equilibrium – Required reading – Chapters 15. 16 & 17
14	/	4/21	Quiz 8 / Organic Chemistry – Required reading – Chapter 20 & handout
15	/	4/26	Organic Chemistry / Biochemistry – Required reading – Chapter 20 and Handout
15	/	4/28	Biochemical Mechanisms / Chemistry – Required reading - Chapter 20 and Handout
16	/	5/03	Quiz 9 / Biochemical Mechanism cont'd / Hydrocarbons – Chapter 19
16	/	5/05	Hydrocarbons – Required reading – Chapter 19
17	/	5/09	Last day to withdraw from class.
17	/	5/10	*****UNIT TEST 3*****
17	/	5/12	Review Unit Test 3 / Explain final exam process
18	/	5/17	FINAL EXAM – 11:00am – 02:30pm (Room TBA)

CHEMISTRY 111 LAB SCHEDULE

LAB: 01:00PM – 04:00PM Thursday - ROOM B216

JAMES E. COPELAND, INSTRUCTOR

WEEK – DATE	***** ACTIVITY *****
1 1/20	Lab Procedures, Lab Safety, and Basic Equipment
2 1/27	Measurements in Chemistry
3 2/03	OPEN
4 2/10	Percent of Water in a Hydrate
5 2/17	Properties of Chemical Substances
6 2/24	Atoms, Molecules, Chemical Bonding and Chemical Formulas
7 3/03	***** LAB PRACTICAL 1 *****
8 3/10	Qualitative & Chemical Formulas by Quantitative Analysis
9 3/17	<u>Spring Break</u>
10 3/24	Problem Solving Session I
11 3/31	Problem Solving Session II
12 4/07	Stoichiometry (mass-mass) during an acid/base reaction
13 4/14	Solutions
14 4/21	Acids, Bases, Titration, and Electrolytes
15 4/28	Biochemistry / Organic Chemistry
16 5/05	*****LAB PRACTICAL 2*****