

ACADEMIC SCHEDULE

CHE 111 CONCEPTS OF CHEMISTRY

Lecture: 11:00am – 12:25pm / Tuesday (T) & Thursday (R)

Lab#1: 01:00pm – 04:00pm / Tuesday (T)

Lab#2: 01:00pm – 04:00pm / Thursday (R)

FALL 2013

James E. Copeland

WEEK – DATE	***** LESSON(S) *****
1 08/29	Orientation / Scientific Method / Required reading – Chapter 1
2 09/03	Matter & Chemistry – Required reading – Chapter 1 & Pages 57 – 69 of Chapter 3 and Chapter 4
2 09/05	Matter & Energy – Required reading – pages 57-69 Chapter 3 & Chapter 4 / Measurements in Chemistry – Required reading – Chapter 2 and pages 40 – 56 in Chapter 3
3 09/10	<u>Quiz 1</u> / Measurements in Chemistry – Required reading – Chapter 3
3 09/12	Measurements in Chemistry – Required reading – Chapter 3
4 09/17	Atoms, Elements, Molecules & Compounds – Required reading – Chapters 5 & Chapter 18
4 09/19	<u>Quiz 2</u> / Atoms, Elements, Molecule & Compounds cont'd / Electrons and Principle Energy Levels – Required reading – Chapter 5
5 09/24	Electrons Arrangement – Required reading – Chapter 5
5 09/26	<u>Quiz 3</u> / Electron Arrangement –Required reading – Chapter 5 Chemical Bonding – Required reading – Chapter 6 pgs 155-164 & Chapter 12
6 10/01	Chemical Bonding & Writing Chemical Formulas – Required reading Pages 155 – 164 of Chapter 6 & 7.4 of Chapter 7
6 10/03	***** UNIT TEST 1 *****

WEEK – DATE ***** LESSON(S) *****

7	10/08	The Periodic Table – Required reading – Chapter 6 pgs 142 - 154
7	10/10	The Periodic Table – Required reading – Chapter 6 / <u>Quiz 4</u> (Take Home – Due 10/15/2013 at 11:00am) Do not be late for class on the 15 th .
8	10/15	The Periodic Table cont'd / Naming inorganic compounds – Required reading – Chapter 7
8	10/17	Naming inorganic compounds cont'd / Calculation of Formula Weights(Molar mass & Molecular mass)-Required reading – Chapter 9 2.10 Chapter 2
9	10/22	<u>Quiz 5</u> / Calculations: Formulas Weight, Moles, Percent Composition, and Empirical Formulas – Required reading Chapters 2 & 9
9	10/24	Chemical Equations – Required reading – Chapter 8
10	10/29	Stoichiometry – Required reading – Chapter 10
10	10/31	<u>Quiz 6</u> / Gases and the Gas Laws – Required reading – Chapter 11
11	11/05	Liquids(Water) & Solids – Required reading – Chapter 13
11	11/07	***** <u>UNIT TEST 2</u> *****
12	11/12	Solutions – Required reading – Chapter 14
12	11/14	Solutions - Required reading – Chapter 14
13	11/19	<u>Quiz 7</u> / Acids, Bases, Electrolytes, Ionization and Ionic Equation Required reading – Chapters 15
13	11/21	Oxidation-Reduction/Reactions/Reaction Rates and Chemical Equilibrium – Required reading – Chapters 16 & 17
14	11/26	<u>Quiz 8</u> / Organic Chemistry – Required reading – Chapter 20 and Handout
14	11/28	Thanksgiving Holiday – No Class

WEEK – DATE		*****LESSON(S)*****
15	12/03	Organic Chemistry – Required reading – Chapter 20 and Handout Biochemical Processes – Required reading Chapter 20 & Handout
15	12/05	Quiz 9 / Bio-chemistry cont'd
16	12/10	Hydrocarbons – Required reading Chapter 19
16	12/12	***** UNIT TEST 3 *****
17	12/17	Review Unit Test 3 and The Semester
17	12/19	<u>FINAL EXAM</u> - 11:00am – 2:30pm Room TBA

Last Day to withdraw from class – 12/10/2012

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CHE 111 LABORATORY SCHEDULE – B216 – General Chemistry Lab

Lab#1 (1:00pm – 4:00pm) Tuesday

James E. Copeland

Lab#2 (1:00pm – 4:00pm) Thursday

WEEK – DATE(S) – ***LESSON(S) *******

1	8/27 – 29	Lab Procedures, Safety & Equipment
2	9/03 - 05	Measurements in Chemistry
3	9/10 - 12	Percent of Water in a Hydrate
4	9/17 - 19	Properties of Chemical Substances/Physical or Chemical Changes
5	9/24 - 26	Atoms, Molecular Bonds, & Writing Chemical Formulas
6	10/01 - 03	***** LAB PRACTICAL 1 *****
7	10/08 - 10	Qualitative Analysis & Quantitative Analysis (Chemical Formulas)
8	10/15 – 17	Stoichiometry (Mass – Mass)
9	10/22 - 24	<i>PROBLEM SOLVING SESSION I</i>
10	10/29 – 31	<i>PROBLEM SOLVING SESSION II</i>
11	11/05 - 07	Solutions
12	11/12 - 14	Acids / Bases – Titration - Electrolytes
13	11/19 - 21	Organic / Bio - Chemistry
14	11/26 - 28	Open / Thanksgiving Holiday
15	12/03 – 05	***** LAB PRACTICAL 2 *****
