

# 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 2009

*James E. Copeland*

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WEEK – DATE	***** LESSON(S) *****
1      08/27	Orientation / Scientific Method / Required reading – Chapters 1 & 2
2      09/01	Chemistry, Matter & Energy – Required reading – Chapter 2
2      09/03	Matter & Energy – Required reading – Chapter 2 Measurements in Chemistry – Required reading – Chapter 3
3      09/08	<u>Quiz 1</u> / Measurements in Chemistry – Required reading – Chapter 3
3      09/10	Measurements in Chemistry – Required reading – Chapter 3
4      09/15	Atoms, Elements, Molecules & Compounds – Required reading – Chapters 4 & 18
4      09/17	<u>Quiz 2</u> / Atoms, Elements, Molecule & Compounds cont'd / Electrons and Principle Energy Levels – Required reading – Chapter 5
5      09/22	Electrons Arrangement – Required reading – Chapter 5
5      09/24	<u>Quiz 3</u> / Electron Arrangement – Required reading – Chapter 5 Chemical Bonding – Required reading – Chapter 8
6      09/29	Chemical Bonding & Writing Chemical Formulas – Required reading Chapter 8
6      10/01	***** <b>UNIT TEST 1</b> *****

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WEEK – DATE	***** LESSON(S) *****
7 10/06	The Periodic Table – Required reading – Chapter 7
7 10/08	The Periodic Table – Required reading – Chapter 7 / <u>Quiz 4</u> (Take Home – Due 10/13/2009 at 11:00am) Do not be late for class on the 13 <sup>th</sup> .
8 10/13	The Periodic Table cont'd / Naming inorganic compounds – Required reading – Chapter 6
8 10/15	Naming inorganic compounds cont'd / Calculation of Formula Weights(Molar mass & Molecular mass)-Required reading – Chapter 9 4.12 Chapter 4
9 10/20	<u>Quiz 5</u> / Calculations: Formulas Weight, Moles, Percent Composition, and Empirical Formulas – Required reading Chapters 4 & 9
9 10/22	Chemical Equations – Required reading – Chapter 10
10 10/27	Stoichiometry – Required reading – Chapter 11
10 10/29	<u>Quiz 6</u> / Gases and the Gas Laws – Required reading – Chapter 12
11 11/03	Liquids(Water) & Solids – Required reading – Chapter 13
11 11/05	***** <u>UNIT TEST 2</u> *****
12 11/10	Solutions – Required reading – Chapter 14
12 11/12	Solutions - Required reading – Chapter 14
13 11/17	<u>Quiz 7</u> / Acids, Bases, Electrolytes, Ionization and Ionic Equation Required reading – Chapters 16 & 17
13 11/19	Oxidation-Reduction Reactions/Reaction Rates and Chemical Equilibrium – Required reading – Chapters 15, 16 & 17
14 11/24	<u>Quiz 8</u> / Organic Chemistry – Required reading – Chapter 20 and Handout
14 11/26	Its Thanksgiving Day – Required Eating - any food of your Choice

WEEK – DATE	*****LESSON(S)*****
15      12/01	Organic Chemistry – Required reading – Chapter 20 and Handout Biochemical Processes – Required reading Chapter 20 & Handout
15      12/03	<i>Quiz 9 / Bio-chemistry cont'd</i>
16      12/08	Hydrocarbons – Required reading Chapter 19
16      12/10	***** <b>UNIT TEST 3</b> *****
17      12/15	Review Unit Test 3 and The Semester
17      12/17	<b><u>FINAL EXAM</u> - 11:00am – 2:30pm Room TBA</b>



### CHE 111 LABORATORY SCHEDULE – B216 – General Chemistry Lab

Lab#1 (1:00pm – 4:00pm) Tuesday

Lab#2 (1:00pm – 4:00pm) Thursday

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WEEK – DATE(S) – \*\*\*\*\*LESSON(S) \*\*\*\*\*

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1	8/27	Receive – Lab packs / put together Lab Manuals Both T & R labs
2	9/01 - 03	Lab Procedures, Safety & Equipment
3	9/08 - 10	Measurements in Chemistry
4	9/15 - 17	Percent of Water in a Hydrate
5	9/22 - 24	Properties of Chemical Substances/Physical or Chemical Changes
6	9/29/10 -01	Atoms, Molecular Bonds, & Writing Chemical Formulas
7	10/06 - 08	***** <b>LAB PRACTICAL 1</b> *****
8	10/13 - 15	Qualitative Analysis & Quantitative Analysis (Chemical Formulas)
9	10/20 – 22	<i>PROBLEM SOLVING SESSION I</i>
10	10/27 - 29	<i>PROBLEM SOLVING SESSION II</i>
11	11/03 – 05	Stoichiometry (Mass – Mass) Acid/Base reaction
12	11/10 - 12	Solutions
13	11/17 - 19	Acids / Bases – Titration - Electrolytes
14		Open / Thanksgiving Holiday
15	12/01 - 03	Organic / Bio - Chemistry
<b>16</b>	<b>12/08 – 10</b>	***** <b>LAB PRACTICAL 2</b> *****

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