

# ACADEMIC SCHEDULE

## CHE 111 CONCEPTS OF CHEMISTRY

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

Lab#1: 01:00pm – 04:00pm Monday (M)

Lab#2: 01:00pm – 04:00pm Wednesday (W)

FALL 2007

*James E. Copeland*

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WEEK – DATE	***** LESSON(S) *****
1 08/28	Orientation / Scientific Method / Required reading – Chapters 1 & 2
1 08/30	Chemistry, Matter & Energy – Required reading – Chapter 2
2 09/04	Matter & Energy – Required reading – Chapter 2 Measurements in Chemistry – Required reading – Chapter 3
2 09/06	<u>Quiz 1</u> / Measurements in Chemistry – Required reading – Chapter 3
3 09/11	Measurements in Chemistry – Required reading – Chapter 3
3 09/13	Atoms, Elements, Molecules & Compounds – Required reading – Chapters 4 & 18
4 09/18	<u>Quiz 2</u> / Atoms, Elements, Molecule & Compounds cont'd / Electrons and Principle Energy Levels – Required reading – Chapter 5
4 09/20	Electrons Arrangement – Required reading – Chapter 5
5 09/25	<u>Quiz 3</u> / Electron Arrangement – Required reading – Chapter 5 Chemical Bonding – Required reading – Chapter 8
5 09/27	Chemical Bonding & Writing Chemical Formulas – Required reading Chapter 8
6 10/02	***** <b>UNIT TEST 1</b> *****

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WEEK – DATE	*****	LESSON(S)	*****
6	10/04	The Periodic Table – Required reading – Chapter 7	
7	10/09	The Periodic Table – Required reading – Chapter 7 / <u>Quiz 4</u> (Take Home – Due 10/11/2007 at 11:00am) Do not be late for class on the 11 <sup>th</sup> .	
7	10/11	The Periodic Table cont'd / Naming inorganic compounds – Required reading – Chapter 6	
8	10/16	Naming inorganic compounds cont'd / Calculation of Formula Weights(Molar mass & Molecular mass)-Required reading – Chapter 9 4.12 Chapter 4	
8	10/18	<u>Quiz 5</u> / Calculations: Formulas Weight, Moles, Percent Composition, and Empirical Formulas – Required reading Chapters 4 & 9	
9	10/23	Chemical Equations – Required reading – Chapter 10	
9	10/25	Stoichiometry – Required reading – Chapter 11	
10	10/30	<u>Quiz 6</u> / Gases and the Gas Laws – Required reading – Chapter 12	
10	11/01	Liquids(Water) & Solids – Required reading – Chapter 13	
11	11/06	***** <u>UNIT TEST 2</u> *****	
11	11/08	Solutions – Required reading – Chapter 14	
12	11/13	Solutions - Required reading – Chapter 14	
12	11/15	<u>Quiz 7</u> / Acids, Bases, Electrolytes, Ionization and Ionic Equation Required reading – Chapters 16 & 17	
13	11/20	Oxidation-Reduction Reactions/Reaction Rates and Chemical Equilibrium – Required reading – Chapters 15, 16 & 17	
13	11/22	N0 Class – Thanksgiving Holiday	

WEEK – DATE	*****LESSON(S)*****
14      11/27	<i>Quiz 8</i> / Organic Chemistry – Required reading – Chapter 20 and Handout
14      11/29	Organic Chemistry/Biochemical processes – Required reading – Chapter 20 & Handout
15      12/03/07	<i>Last day to withdraw from class.</i>
15      12/04	<i>Quiz 9</i> / Bio-chemistry cont'd
15      12/06	Hydrocarbons – Required reading Chapter 19
16      12/11	***** <b>UNIT TEST 3</b> *****
16      12/13	Review Unit Test 3 and The Semester
17      12/18	<b><u>FINAL EXAM</u></b> - 11:00am – 2:00pm Room TBA

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**CHE 111 LABORATORY SCHEDULE – ROOM 203Mohegan – FALL 2007**

Lab#1 (1:00pm – 4:00pm) Monday

Lab#2 (1:00pm – 4:00pm) Wednesday

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

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1	8/27 - 29	Lab Procedures, Safety & Equipment
2	9/05	Measurements in Chemistry
3	9/10	Measurements in Chemistry
3	9/12	Percent of Water in a Hydrate
4	9/17	Percent of Water in a Hydrate
4	9/19	Properties of Chemical Substances/Physical or Chemical Changes
5	9/24	Properties of Chemical Substances/Physical or Chemical Changes
5	9/26	Atoms, Molecular Bonds, & Writing Chemical Formulas
6	10/01	Atoms, Molecular Bonds, & Writing Chemical Formulas
6	10/03	***** <b>LAB PRACTICAL 1</b> *****
<b>6</b>	<b>10/04</b>	<b>LAB PRACTICAL 1 from 1 -2:30pm for Monday's Lab</b>
<b>7</b>	<b>10/10</b>	<b>LAB PRACTICAL 1 from Monday's lab who missed the test.</b>
8	10/15 - 17	Qualitative Analysis & Quantitative Analysis (Chemical Formulas)
9	10/22 – 24	<i>PROBLEM SOLVING SESSION I</i>
10	10/29 - 31	<i>PROBLEM SOLVING SESSION II</i>
11	11/05 – 11/07	Stoichiometry(Mass-Mass) Acid/Base Reaction
12	11/12 - 14	Solutions
13	11/19 - 21	Acids / Bases – Titration - Electrolytes
14	11/26 - 28	Organic / Bio - Chemistry
<b>15</b>	<b>12/03 – 05</b>	<b>***** LAB PRACTICAL 2 *****</b>