

# ACADEMIC SCHEDULE

## CHE 111 CONCEPTS OF CHEMISTRY

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

Lab#1: 01:00pm – 04:00pm Monday (T)

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

FALL 2008

*James E. Copeland*

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WEEK – DATE	***** LESSON(S) *****
1 09/02	Orientation / Scientific Method / Required reading – Chapters 1 & 2
1 09/04	Chemistry, Matter & Energy – Required reading – Chapter 2
2 09/09	Matter & Energy – Required reading – Chapter 2 Measurements in Chemistry – Required reading – Chapter 3
2 09/11	<u>Quiz 1</u> / Measurements in Chemistry – Required reading – Chapter 3
3 09/16	Measurements in Chemistry – Required reading – Chapter 3
3 09/18	Atoms, Elements, Molecules & Compounds – Required reading – Chapters 4 & 18
4 09/23	<u>Quiz 2</u> / Atoms, Elements, Molecule & Compounds cont'd / Electrons and Principle Energy Levels – Required reading – Chapter 5
4 09/25	Electrons Arrangement – Required reading – Chapter 5
5 09/30	<u>Quiz 3</u> / Electron Arrangement – Required reading – Chapter 5 Chemical Bonding – Required reading – Chapter 8
5 10/02	Chemical Bonding & Writing Chemical Formulas – Required reading Chapter 8
6 10/07	***** <b>UNIT TEST 1</b> *****

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WEEK – DATE	*****	LESSON(S)	*****
6	10/09	The Periodic Table – Required reading – Chapter 7	
7	10/14	The Periodic Table – Required reading – Chapter 7 / <u>Quiz 4</u> (Take Home – Due 10/16/2008 at 11:00am) Do not be late for class on the 16 <sup>th</sup> .	
7	10/16	The Periodic Table cont'd / Naming inorganic compounds – Required reading – Chapter 6	
8	10/21	Naming inorganic compounds cont'd / Calculation of Formula Weights(Molar mass & Molecular mass)-Required reading – Chapter 9 4.12 Chapter 4	
8	10/23	<u>Quiz 5</u> / Calculations: Formulas Weight, Moles, Percent Composition, and Empirical Formulas – Required reading Chapters 4 & 9	
9	10/28	Chemical Equations – Required reading – Chapter 10	
9	10/30	Stoichiometry – Required reading – Chapter 11	
10	11/04	<u>Quiz 6</u> / Gases and the Gas Laws – Required reading – Chapter 12	
10	11/06	Liquids(Water) & Solids – Required reading – Chapter 13	
11	11/11	***** <u><b>UNIT TEST 2</b></u> *****	
11	11/13	Solutions – Required reading – Chapter 14	
12	11/18	Solutions - Required reading – Chapter 14	
12	11/20	<u>Quiz 7</u> / Acids, Bases, Electrolytes, Ionization and Ionic Equation Required reading – Chapters 16 & 17	
13	11/25	Oxidation-Reduction Reactions/Reaction Rates and Chemical Equilibrium – Required reading – Chapters 15, 16 & 17	
13	11/27	NO Class – Thanksgiving Holiday	

WEEK – DATE	*****LESSON(S)*****
14      12/02	<i>Quiz 8</i> / Organic Chemistry – Required reading – Chapter 20 and Handout
14      12/04	Organic Chemistry/Biochemical processes – Required reading – Chapter 20 & Handout
15      12/09	<i>Quiz 9</i> / Bio-chemistry cont'd
15      12/11	Hydrocarbons – Required reading Chapter 19
16      12/16	***** <b>UNIT TEST 3</b> *****
16      12/18	Review Unit Test 3 and The Semester
17      12/22	<b><u>FINAL EXAM</u></b> - 11:00am – 2:00pm Room TBA

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**CHE 111 LABORATORY SCHEDULE – ROOM 213 Mohegan – FALL 2008**

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	9/02 - 04	Lab Procedures, Safety & Equipment
2	9/09 - 11	Measurements in Chemistry
3	9/16 - 18	Percent of Water in a Hydrate
4	9/23 - 25	Properties of Chemical Substances/Physical or Chemical Changes
5	9/30/10 -02	Atoms, Molecular Bonds, & Writing Chemical Formulas
6	10/07 - 09	***** <b>LAB PRACTICAL 1</b> *****
7	10/14 - 16	Qualitative Analysis & Quantitative Analysis (Chemical Formulas)
8	10/21 – 23	Stoichiometry (Mass – Mass) Acid/Base reaction
9	10/28 - 30	<i>PROBLEM SOLVING SESSION I</i>
10	11/04 – 06	<i>PROBLEM SOLVING SESSION II</i>
11	11/11 - 13	Solutions
12	11/18 - 20	Acids / Bases – Titration - Electrolytes
13		Open / Thanksgiving Holiday
14	12/02 - 04	Organic / Bio - Chemistry
<b>15</b>	<b>12/09 – 11</b>	***** <b>LAB PRACTICAL 2</b> *****

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