

## Tentative: ACADEMIC SCHEDULE CHE 111 CONCEPTS OF CHEMISTRY

**Lecture: 8:00am – 9:20am / Tuesday (T) and Thursday (R) Room 220**

**Lab: 1:00pm – 3:55pm Wednesday (W) Room 207**

Fall 2008

Mr. Ram Prasad Neupane, Instructor

WEEK – DATE	***** LESSON(S) *****
1      09/02	Orientation(Review syllabus) / 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> *****

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>
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>UNIT TEST 2</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 Explain the Final exam Process
17      12/23	<b><u>FINAL EXAM</u></b> - 8:00am – 11:00am

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### CHE 111 LABORATORY SCHEDULE – ROOM TV 207 Fall 2008

Lab: Wednesday's (1:00pm – 3:55pm)

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

1	9/03	Lab Procedures, Safety & Equipment
2	9/10	Measurements in Chemistry
3	9/17	Percent of Water in a Hydrate
4	9/24	Properties of Chemical Substances/Physical or Chemical Changes
5	10/01	Atoms, Molecular Bonds, & Writing Chemical Formulas
6	10/08	***** <b>LAB PRACTICAL 1</b> *****
7	10/15	Qualitative Analysis & Quantitative Analysis (Chemical Formulas)
8	10/22	Stoichiometry (Mass-Mass) in an acid / base reaction
9	10/29	<i>PROBLEM SOLVING SESSION I</i>
10	11/05	<i>PROBLEM SOLVING SESSION II</i>
11	11/12	Open activity
12	11/19	Solutions
13	11/26	Acids / Bases – Titration - Electrolytes
14	12/03	Organic / Bio - Chemistry
15	12/10	***** <b>LAB PRACTICAL 2</b> *****
16	12/17	<i>Lab clean up</i>