

ACADEMIC SCHEDULE

CHE 111 CONCEPTS OF CHEMISTRY

Tentative Schedule

Lecture: 1:00pm – 2:25pm / Tuesday (T) & Thursday (R)

Lab: 09:00am – 12:00pm / Tuesday (T)

FALL 2011

Dr. Donald David Pascal, Instructor

WEEK – DATE	***** LESSON(S) *****
1 08/30	Orientation / Scientific Method / Required reading – Chapters 1 & 2
1 09/01	Chemistry, Matter & Energy – Required reading – Chapter 2
2 09/06	Matter & Energy – Required reading – Chapter 2 Measurements in Chemistry – Required reading – Chapter 3
2 09/08	<u>Quiz 1</u> / Measurements in Chemistry – Required reading – Chapter 3
3 09/13	Measurements in Chemistry – Required reading – Chapter 3
3 09/15	Atoms, Elements, Molecules & Compounds – Required reading – Chapters 4 & 18
4 09/20	<u>Quiz 2</u> / Atoms, Elements, Molecule & Compounds cont'd / Electrons and Principle Energy Levels – Required reading – Chapter 5
4 09/22	Electrons Arrangement – Required reading – Chapter 5
5 09/27	<u>Quiz 3</u> / Electron Arrangement – Required reading – Chapter 5 Chemical Bonding – Required reading – Chapter 8
5 09/29	Chemical Bonding & Writing Chemical Formulas – Required reading Chapter 8
6 10/04	***** UNIT TEST 1 *****

WEEK – DATE ***** LESSON(S) *****

6	10/06	The Periodic Table – Required reading – Chapter 7
7	10/11	The Periodic Table – Required reading – Chapter 7 / <u>Quiz 4</u>
7	10/13	The Periodic Table cont'd / Naming inorganic compounds – Required reading – Chapter 6
8	10/18	Naming inorganic compounds cont'd / Calculation of Formula Weights(Molar mass & Molecular mass)-Required reading – Chapter 9 4.12 Chapter 4
8	10/20	<u>Quiz 5</u> / Calculations: Formulas Weight, Moles, Percent Composition, and Empirical Formulas – Required reading Chapters 4 & 9
9	10/25	Chemical Equations – Required reading – Chapter 10
9	10/27	Stoichiometry – Required reading – Chapter 11
10	11/01	<u>Quiz 6</u> / Gases and the Gas Laws – Required reading – Chapter 12
10	11/03	Liquids(Water) & Solids – Required reading – Chapter 13
11	11/08	***** <u>UNIT TEST 2</u> *****
11	11/10	Solutions – Required reading – Chapter 14
12	11/15	Solutions - Required reading – Chapter 14
12	11/17	<u>Quiz 7</u> / Acids, Bases, Electrolytes, Ionization and Ionic Equation Required reading – Chapters 16 & 17
13	11/22	Oxidation-Reduction Reactions/Reaction Rates and Chemical Equilibrium – Required reading – Chapters 15, 16 & 17
13	11/24	<i>it's Thanksgiving – No Class</i>
14	11/29	<u>Quiz 8</u> / Organic Chemistry – Required reading – Chapter 20 and Handout

WEEK – DATE		*****LESSON(S)*****
14	12/01	Organic Chemistry – Required reading – Chapter 20 and Handout Biochemical Processes – Required reading Chapter 20 & Handout
15	12/06	<i>Quiz 9 / Bio-chemistry cont'd</i>
15	12/08	Hydrocarbons – Required reading Chapter 19
16	12/13	***** UNIT TEST 3 *****
17	12/15	Review Unit Test 3 and The Semester
17	12/20	<u>FINAL EXAM</u> - 11:00am – 2:30pm Room TBA

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CHE 111 LABORATORY SCHEDULE – B216 – General Chemistry Lab
Lab (9:00am – 12:00pm) Tuesday - Pascal

WEEK – DATE(S) – *****LESSON(S) *****

1	8/30	Lab Procedures, Safety & Equipment
2	9/06	Measurements in Chemistry
3	9/13	Percent of Water in a Hydrate
4	9/20	Properties of Chemical Substances/Physical or Chemical Changes
5	9/27	Atoms, Molecular Bonds, & Writing Chemical Formulas
6	10/04	***** LAB PRACTICAL 1 *****
7	10/11	Qualitative Analysis & Quantitative Analysis (Chemical Formulas)
8	10/18	Stoichiometry (Mass – Mass) in an Acid/Base Reaction
9	10/25	<i>PROBLEM SOLVING SESSION I</i>
10	11/01	<i>PROBLEM SOLVING SESSION II</i>
11	11/08	Solutions
12	11/15	Acids / Bases – Titration - Electrolytes
13	11/22	Open
14	11/29	Organic / Bio - Chemistry
15	12/06	***** LAB PRACTICAL 2 *****