

ACADEMIC SCHEDULE – CHE 111 CONCEPTS OF CHEMISTRY**LECTURE: 9:00AM – 12:30PM MONDAY/WEDNESDAY****LAB: 9:00AM – 12:00PM TUESDAY/THURSDAY****SUMMER 2010****James E. Copeland**

WEEK – DATE	*****LESSONS*****
1 / 6/07	Orientation / The Scientific Method / Chemistry & Matter - Required reading – Chapters 1 & 2
1 / 6/08	LAB – (Laboratory procedures, safety and equipment)
1 / 6/09	Chemistry & Matter cont'd. / Measurements – Required reading – Chapter 3
1 / 6/10	LAB – (Measurements in Chemistry)
2 / 6/14	Quiz 1 / Measurements in Chemistry – Required reading – Chapter 3 The Atom and Atomic Theories – Required reading – Chapters 4 & 18
2 / 6/15	LAB – (Percent of Water in a Hydrate)
2 / 6/16	Quiz 2 / Atoms, Elements, Compounds – Required reading – Chapters 4 & 18 Electron arrangement – Required reading – Chapter 5
2 / 6/17	LAB – (The nature of chemical substances – physical and chemical changes)
3 / 6/21	Quiz 3 / Electron arrangement / Chemical bonding and writing chemical formulas – Required reading – Chapters 5 & 8
3 / 6/22	LAB – (Atoms, Bonds, Molecules and Chemical Formulas)
3 / 6/23	**** UNIT TEST 1 **** (9:00am – 10:30am) ** BREAK (10:30am – 10:50am) ** LECTURE: (10:50am–12:30pm)–The Periodic Table – Required reading – Chapter 6
3 / 6/24	LAB – (Lab Practical 1 (9:00am – 10:25am) **BREAK (10:25am – 10:40am)** LECTURE: (10:40am – 12:00pm) – The Periodic Table – Required reading – Chapter 6 (Quiz 4 – Take Home Due at 9:00am 6/28/2010)
4 / 6/28	The Periodic Table cont'd. / Naming Inorganic Compounds – Required reading – Chapter 8
4 / 6/29	LAB – Qualitative & Quantitative Analysis
4 / 6/30	Quiz 5 / Naming Compounds cont'd/ Formula Weights/ The Mole and Molar Mass Molar Volume/Percent Composition/ Empirical Formulas – Required reading Chapters 4,9,
4 / 7/01	Problem Solving Session I – (Conducted during lab time)
5 / 7/05	Holiday – Class not in session
5 / 7/06	Lecture Day; Chemical Equations / Stoichiometry – Required reading – Chapters 10,11
5 / 7/07	Quiz 6 / Gases and The Gas Laws – Required reading – Chapter 12 Water, Liquids and Solids – Required reading – Chapter 13
5 / 7/08	Problem Solving Session II (Conducted during lab time)
6 / 7/12	***** Unit Test 2***** 9:00am – 11:00am – Break (11am – 11:20am) Lecture: (11:20am – 12:30pm) Solutions – required reading – Chapter 14
6 / 7/13	LAB – (Stoichiometry) (mass-mass) relationship in an acid base reaction)
6 / 7/14	Solutions cont'd / Ionizations and Ionic equations, acids, bases, salts, electrolytes Required reading – Chapters 14,16
6 / 7/15	LAB – Solutions

7	/	7/19	Quiz 7 / Oxidation-Reduction reactions and Redox equations / Reaction rates / Chemical Equilibrium – Required reading - Chapters 15 & 17 / Organic Chemistry – Required reading Chapter 20 and Handout
7	/	7/20	LAB - Electrolytes (demonstration) , Acids & Bases, Titration
7	/	7/21	Quiz 8 / Organic Chemistry – Required reading – Chapter 20 and handouts
7	/	7/22	LAB – (Biochemistry)
8	/	7/26	Quiz 9/ Lecture - Biochemical Mechanism / Hydrocarbons - Required reading – Chapters 19 & 20 and Handout
8	/	7/27	LAB - Lab practical 2 (9:00am – 10:50am – Lecture ; 11:20am – 12:00pm if needed
8	/	7/28	**** UNIT TEST 3 **** (9:00am – 10:50am)
8	/	7/29	Review Unit Test 3 and the semester
9	/	8/02	FINAL EXAM - 9:00AM –12:30PM
