**AP Chemistry Course Outline**

**Units Chapters Test Date**

1 1 Matter, Measurement, and Problem Solving

2 Atoms and Elements

3 Molecules and Compounds (sections 1-7, 11) 9/16

2 3 Molecules and Compounds (sections 8-10)

4 Chemical Reactions and Chemical Quantities 9/30

3 5 Introduction to Solutions and Aqueous Reactions 10/22

4 6 Gases 11/7

5 7 Thermochemistry 11/21

6 8 The Quantum Mechanical Model of the Atom

9 Periodic Properties of the Elements 12/10

7 10 Chemical Bonding I: Lewis Model

11 Molecular Shapes, VOT, and MOT 1/12

8 12 Liquids, Solids, and Intermolecular Forces

14 Solutions Late January

9 15 Chemical Kinetics Mid February

10 16 Chemical Equilibrium Early March

11 17 Acids and Bases

18 Aqueous Ionic Equilibrium Late March

12 19 Free Energy and Thermodynamics

20 Electrochemistry ­ Early April

***Exam Review in April AP EXAM Tuesday 5/6 at 8:00 AM***

13 Consumer Chemistry

14 21 Nuclear Chemistry