EFFECTIVE: SEPTEMBER 2004

CURRICULUM GUIDELINES

A. Division: Science and Technology

Effective Date: September 2004

B. Department / Program Area: Chemistry

Revision X

h descriptor)

6

Number of Weeks per Semester: 15

	K: Maximum Class Size: 36
L: PLEASE INDICATE: ☐ Non-Credit	

M: Course Objectives / Learning Outcomes

Upon completion of this course, the students will:

1. Carry out measurements using the correct number of significant figures, and express the precision using absolute or relative uncertainties.
2. Given a set of experimental data, calculate the average value, the average deviation, and the standard deviation.
3. Solve stoichiometry problems of the following types: percentage composition/empirical formula, gram-gram or gram-volume (of a gas), solution stoichiometr2hlon of thod[aou97 T thod[aou97 T P1(of)chi thod,

molecules; Valence Bond Theory: hybridization, orbital diagrams; Molecular Orbital Theory: shapes and energies of molecular orbitals, bond order, intermolecular forces, and hydrogen bonding.

R:	Prior Learning Assessment and Recognition: specify whether course is open for PLAR No

Course Designer(s)	Education Council / Curriculum Committee Representative
Dean / Director	Registrar