COURSE-LEVEL DEPARTMENT ASSESSMENT PLAN EDISON STATE COLLEGE 2009 -2010

Name of Department: Science Department

Name of Assessment Coordinator/Chair: R. A. Burns

Date: 9/20/2010

COMPLETE AT THE BEGINNING OF ACADEMIC YEAR:

COURSES TO BE ASSESSED INCLUDING THE LEARNING OUTCOMES:

CHM 2032L

LEARNING OUTCOMES	ASSESSMENTS	GENERAL EDUCATION COMPETENCY
Apply basic chemistry laboratory safety rules, regulations, and procedures.	Successfully complete one or more of the following: Quizzes, examinations, homework assignments, and laboratory experiments.	GSR
Define and distinguish scientific notation, significant figures, and the methods of dimensional analysis and algebraic rearrangement for problem solving.		CT, QR, TIM
Graph scientific data that exhibit straight-line behavior.		
Understand and apply basic nomenclature rules for inorganic compounds, including acids and bases.		
Utilize basic chemical laboratory techniques, such as mass and volume measurement, density determination, gravity filtration, solution preparation, and heating methods.		
Conduct selected chemical reactions and perform the appropriate calculations.		

ASSESSMENT PLAN:

Pre/Post multiple choice exam.

Name and brief description of the instruments and courses.

The same exam will given the first day of class and then later in the semester after the major material is covered.

Brief description of what is to be assessed/measured.

CHM2032L covers basic mathematical techniques used in chemistry.

COMPLETE AT THE END OF THE ACADEMIC YEAR:

DATA ANALYSIS

Comparison of before and after exam results.

USE OF ASSESSMENT FINDINGS TO IMPROVE STUDENT LEARNING

With pre/post data, a comparison of the gain of the knowledge and understanding by the student can be made. The results can be examined to identify specific areas or topic material that need to be emphasized or enhanced in the course.