

Annual Academic Program Assessment Report and Plan

Academic Program:	AS Chem
Academic Program Division:	SME
Program Responsible Person:	Sady
Assessment Team Member/s:	Evet, Sady, Carman
Date Submitted:	05/15/09
College Strategic Plan Goals:	<ol style="list-style-type: none"> 1. Improve student success in program completion and graduation rates. 2. Ensure institutional excellence in teaching, programs and services. 3. Embrace our college's many communities and respond to their diverse needs.
Division Mission:	The mission of the division is to prepare students to succeed in college-level science, math and engineering courses, to prepare students to transfer to 4-year colleges, to provide students with the knowledge they need in their careers, and to provide students with opportunities for personal enrichment.
Program Mission:	To prepare students for baccalaureate programs in the science, health, teaching, and engineering fields, or the work force in chemistry-related industries.

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Assessment Report Academic Year: 2008-2009

Outcome #1

Program Goal:	To assess the outcome of: Students can apply safety standards in the laboratory when using chemicals, equipment, and instruments.
Outcome:	Survey students of all chemistry lab classes. WNC chemistry faculty derive test and assessment tool.
Assessment Methods Used and Criteria for Success:	Pre and post test all lab chemistry students and compare results. Use question #15 on student evaluations: "Was lab safety discussed by the instructor", and assess the resulting evaluation.
Summary of Results and Conclusions Drawn:	80% or greater of students scored 100% on safety pre and post tests administered by each chemistry teacher. 80% or greater students evaluated question #15 as excellent for safety lessons given by instructor. Tests administered Fall'08.
Use of Results:	Monitor lab safety protocols and instructions to insure safe practices by students in chemistry classes.

It looks like we are meeting our program outcome of preparing students to work safely in the chemistry laboratory with no activity next year needed as a follow-up.

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Assessment Plan Academic Year: 2009-2010

Outcome #1

Program Goal:	Students will have the ability to design and conduct laboratory experiments, as well as to analyze and interpret data.
Outcome:	We are assessing (hoping) based on an outcome of 50 % of the students tested on the lab practical on a scale of 1 to 5 score a 4 or above.
Assessment Methods and Criteria for Success:	CHEM 122 and 220 students will take a lab practical following an inquiry rubric derived by the three chemistry faculty.
Planned Use of Results:	Assessment of students' ability to understand lab data and analysis. To develop some labs, common to all chemistry courses, to enhance desired student learning outcome.