

2008 - 2009 Outcomes Assessment

CHEMISTRY

Purpose Statement: To provide students with instruction in Chemistry which will enable them to meet academic and personal goals.

Goals	Intended Outcomes	Assessment Criteria/Procedures	Assessment Results	Use of Results
<p>To develop students' scientific reasoning skills through the demonstration of applications of course-specific principles and concepts, and application of the scientific method.</p>	<p>Students will be able to think critically resulting in correctly applying chemical theories and formulas.</p>	<p>75% of students taking CHM 111 and CHM 112, whether on-campus or through dual enrollment or off-campus sites, will demonstrate basic knowledge of the concepts presented by scoring at least 70% on a departmentally developed final exam.</p> <p>85% of students taking CHM 111 and 112 will demonstrate proficiency in lab safety practices by scoring at least 80% proficiency on lab safety exam.</p>	<p>In the Fall 08 semester only 54% of the CHM 111 students made 75% or higher on their final exam. Spring 09 semester final exams for CHM 111 were 27% made 75% or higher, and CHM 112 were 50% made 75% or higher. Summer 08 Classes increased to 67% of both classes made a 75% or higher on the final.</p> <p>In Fall 08 only 81% made and 80 or better on lab safety. In the Spring 09 94% of the CHM 111 and 71% of the CHM 112 scored above 80 on lab safety.</p>	<p>1st Goal is not met yet. In assessing why the final exam grades are low, (lower than their semester averages) there are 2 outstanding reasons that contribute to the low final exam grades. 1) students have several final exams to take within 2 – 3 days cutting down on their study time for each exam 2) students have several other grades and can calculate exactly what they need to make to pass the class. That grade is often below 75% and therefore they don't try to make any better than they have to.</p>

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