## **General Education Assessment**

## **Chemistry Program**

## 2013-2014

The assessment procedure involved a quiz based on a recently completed laboratory experiment. Each quiz began with a brief description of the experimental procedure, followed by six multiple choice questions designed to assess six core aspects of chemistry. The quiz was administered to students enrolled in Chemistry101 (General Chemistry I) during the Fall of 2013 and the Spring of 2014.

Table 1: Assessment of CHEM 101

Problem	CHEM 101	CHEM 101
	Fall 2013	Spring 2014
	(N = 303)	(N = 137)
	Percent Correct	Percent Correct
Experimental control of a		
variable and experimental	61.1	54.0
error		
Chemical formula notation	67.7	69.3
Chemical composition and	53.1	48.2
mass relationships		
Completeness of chemical		
process	29.4	21.9
Proof of conversion of	44.9	32.1
reactant		
Concept of limiting reagent	36.0	24.1

Overall, the students showed, as indicated by the correctness of their responses, that they generally understood the scientific principles being questioned.