



Chemistry Assessment Plan Dashboard - 2019/20

SLO	Description	Met Target?	
		Method 1	Method 2
1	Describe and apply the fundamental and advanced concepts, theories, and representations of chemistry.	Met	Met
2	Integrate the knowledge of chemistry and the Christian faith.	Met	Met
3	Demonstrate safe handling of chemicals, proper chemical hygiene, and proper use of safety equipment.	Not Met	Met
4	Demonstrate the skills of observation, measurement, and record keeping in the laboratory.	NR	Met
5	Produce logical solutions to problems by evaluating information, applying principles, performing calculations, and interpreting results.	Met	NR
6	Review and critique scientific investigations and effectively communicate findings.	Met	Met

Key	
n/a	not applicable, method not used
NR	not reported, no results reported
Exceeded	exceeded the target
Met	target met, no action required
Not Met	target not met
New	new measurement, results not gathered yet
IP	in process, interpretation of results is in work



Chemistry Assessment Plan Dashboard Detail - 2019/20

SLO 1 - Describe and apply the fundamental and advanced concepts, theories, and representations of chemistry.

Method 1	CHE-1044 General Chemistry II - Final Exam score	Z score within -1.5 of national average	Met
Method 2	BIO-4014 Biochemistry I - Final Exam score	67% average	Met

SLO 2 - Integrate the knowledge of chemistry and the Christian faith.

Method 1	CHE-2001 Special Topics in Chemistry - Reflection Paper	70% average	Met
Method 2	CHE-4001 Technical Writing in Chemistry - Ethics in Scientific Writing Assignment	70% average	Met

SLO 3 - Demonstrate safe handling of chemicals, proper chemical hygiene, and proper use of safety equipment.

Method 1	CHE-1034 General Chemistry - Quiz on Chemical Hygiene and Safety	90% of students get a score of 85% or higher	Not Met
Method 2	CHE-3024 Organic Chemistry I - Safety Quiz	90% of students get a score of 90% or higher	Met

SLO 4 - Demonstrate the skills of observation, measurement, and record keeping in the laboratory.

Method 1	CHE-1034 General Chemistry I - Accurately analyze an unknown chemical compound.	70% of students will obtain results within 20% of the actual molecular mass of the unknown chemical compound.	NR
Method 2	CHE-3034 Organic Chemistry II - Laboratory Report Grade: Identification of Unknown Organic Compound	70% average grade	Met

SLO 5 - Produce logical solutions to problems by evaluating information, applying principles, performing calculations, and interpreting results.

Method 1	CHE-1044 General Chemistry II - Cumulative Homework Grade.	70% average for all homework assignments.	Met
Method 2	CHE-3014 Quantitative Chemistry - Cumulative Homework Grade	70% average	NR

SLO 6 - Review and critique scientific investigations and effectively communicate findings.

Method 1	CHE-4024 Biochemistry II - Oral Presentation	70% average	Met
Method 2	CHE-4001 Technical Writing in Chemistry - Research Paper	70% average	Met