

GENERAL EDUCATION OUTCOMES ASSESSMENT PLAN - SCIENCE

COURSE #1 - BIOL 2620 General Biology I

Student Learning Outcome 1 Recognize the major drivers of evolution and ecological patterns in nature.

State Essential Skills Linked to SLO 1

Critical thinking

Quantitative reasoning

Means of Assessment for SLO 1

Students in the course will achieve a grade of 70% or higher on the cumulative final exam.

Summary of Data

Number of Students Meeting Criterion:		Number of Students Not Meeting Criterion:	
Total Number of Students Assessed:		Percent of Students Meeting Criterion:	

Student Learning Outcome 2 Apply the scientific process to simple ecological and evolutionary problems and make informed predictions on how organisms respond to environmental conditions and to species interactions.

State Essential Skills Linked to SLO 2:

Critical thinking

Quantitative reasoning

Means of Assessment for SLO 2:

Students will achieve a grade of 70% or higher for a combined lab report and oral presentation grade based on a multi-part lab experiment incorporating experimental design, data collection, data analysis, and identification of data trends.

Summary of Data

Number of Students Meeting Criterion:		Number of Students Not Meeting Criterion:	
Total Number of Students Assessed:		Percent of Students Meeting Criterion:	

Student Learning Outcome 3: Discuss the limitations and potentials of science in social issues.

State Essential Skills Linked to SLO 3:

Personal and social responsibility

Means of Assessment for SLO 3:

Students will achieve a grade of 70% or higher on a lab report or essay based on a lab project in the local community that contributes survey data to a local organization such as the watershed alliance or national wildlife refuge.

Summary of Data

Number of Students Meeting Criterion:		Number of Students Not Meeting Criterion:	
Total Number of Students Assessed:		Percent of Students Meeting Criterion:	

COURSE #2 - CHEM 1225: General Chemistry

Student Learning Outcome 1: The understanding and application of gas laws, intermolecular forces, kinetics, equilibrium, thermodynamics and electrochemistry.

State Essential Skills Linked to SLO 1 : Quantitative & qualitative reasoning

Means of Assessment for SLO 1: Exams

Summary of Data

Number of Students Meeting Criterion:		Number of Students Not Meeting Criterion:	
Total Number of Students Assessed:		Percent of Students Meeting Criterion:	