Year	2022-23
Course number and Name:	BIOL 1406 – General Biology I
Component area:	030-Life and Physical Science
Number of sect ons of ered:	Fall – 2 Sect ons; Spring – 1 Sect on
Number of students enrolled:	296
Contact Person (include email & Phone#)	Howard Yoder; Marilyn Kish-Molina

Summary of Cont nuous Improvement Eforts since Last Report

Course highlights Since Last Report

Targets t ed to crit cal thinking learning outcomes were either not met or were part ally met in the previous three cycles (including the current cycle). Act on plans based on these findings including new instruct onal content, methodologies, and/or modalities of delivery have been developed and will be implemented.

A new online instruct onal unit on evolut on by natural select on including crit cal thinking, analysis, and group problem solving act vit es will be implemented in the upcoming cycle.

Stage 1: PLAN		STAGE 2: DO		Stage 3: STUDY		
General Educat on Competencies Addressed in this Course:	Assessment Method(s) – e.g. pre/post tests, embedded quest ons, port olio evaluat on, rubric-scored essay; list only act vit es for which you are report ng assessment data	Prof ciency – e.g. the prof cient student will correctly answer 5 out of the 6 embedded quest ons on the f nal exam	Benchmark – e.g. 80% of students taking the f nal exam will correctly answer 5 of the 6 embedded quest ons on the f nal exam	Results of course assessment(s)	Analysis of results – e.g. strengths and weaknesses What does this data tell you? How will you use this data? How were data from the last cycle used to make changes during this cycle, and what were the results of those changes?	Recommendations for Course based on assessment
Communicat on (required)	Rubric graded student act vity	Cooperat on and communicat on in experimental setup and data collect on	Students will average 2.5 or higher on the rubric evaluat on pertaining to cooperat on and communicat on. Cooperat on and communicat on were assessed by observing and scoring student behaviors when assigned a group task. Four areas	Target: Met See Analysis for details.	Target: Met Cooperat on and communicat on were assessed by observing and scoring student behaviors when assigned a gC roup task(following a standard operat ng procedure for experimental setup). Four areas of competency	Target thresholds for this SLO will be increased to a mean of 3.0 for the 2023-2024 cycle.

Table 1. Assessment Results and Analysis for Current Cycle

Core Curriculum Annual Assessment

of competency	were assessed:
were assessed.	contribut on to
	team act vit es,
	individual
	contribut ons
	outside of team
	act vit es and
	goals, fostering of
	a construct ve
	team climate with
	ef ect ve oral
	communication,
	and response to
	confict. The
	average score
	over all measures
	was 3.80
	(milestone II to
	capstone). The
	lowest mean
	score was
	individual
	contribut ons
	outside of team
	act vit es and
	goals (3.65), and
	the highest mean
	score was
	contribut on to
	team act vit es
	(3.94). The mean
	score for
	response to
	confict was 3.69,

				scores for assessment items 1, 2, and 5 were 90%, 94%, and 88% respect vely. N=69	
Select One:	•	•	•	1	ľ
Empirical &					
Quant tat ve Skills					
Teamwork					
Social					
responsibility					
Personal					
Responsibility					

Table 2. Continuous Improvement Results Since Last Report

Act ons/Goals based on data results Status Discussion of status I plan to implement the same in depth online act vity covering evolut on that will help supplement the material covered in class, as well as adding some embedded quest ons in lecture covering this. I implemented some extra material but the aim is improve assessment to meet our goal. Some of the students have had minimal exposure to evolut on that sure sets made to implement age extra act vity that involves crit cal thinking and natural select on. Implement age was 70% overall with two average was 70% overall with thos average was 70% overall with thos average was 70% overall with thos average was 70% overall with two average	STAGE 4: ACT		
depth online act vity covering evolut on that will help supplement the material covered in class, as well as adding some embedded quest ons in lecture covering this. I implemented some extra material but the aim is improve assessment to meet our goal. Some of the students have had minimal exposure to evolut on and natural select on. Implement ng an extra act vity that involves crit cal thinking and natural select on would increase exposure and I give this two long semesters and see if this improves our goals further. Our average was 70% overall with two quest ons stat lin on the etting the goal, but they improving. I plan to cont nue with this strategy indevelopment.		Status	Discussion of status
	depth online act vity covering evolut on that will help supplement the material covered in class, as well as adding some embedded quest ons in lecture covering this. I implemented some extra material but the aim is improve assessment to meet our goal. Some of the students have had minimal exposure to evolut on and natural select on. Implement ng an extra act vity that involves crit cal thinking and natural select on would increase exposure and I give this two long semesters and see if this improves our goals further. Our average was 70% overall with two quest ons st II not meet ng the goal, but they improving. I plan to cont nue with this strategy in	P	