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 Sections; Spring - 1 Section
Number of students enrolled:	296
Contact Person (include email & Phone#)	Howard Yoder; Marilyn Kish-Molina

Summary of Cont nuous Improvement Ef orts 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 instructional content, methodologies, and/or modalities of delivery have been developed and will be implemented.

Course highlights Since Last Report

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

Table 1. Assessment Results and Analysis for Current Cycle

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

	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
		communicat on,
		and response to
		confict. The
		average score
		over all measures
		was 3.80
		(milestone II to
		capstone). The
		lowest mean
		score was
		individual
		contributions
		outside of team
		activities 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,

			C	
			scores for	
			assessment items	
			1, 2, and 5 were	
			90%, 94%, and	
			88% respect vely.	
			N=69	
Select One:	<u>'</u>	!		'
Empirical &				
Quant tat ve Skills				
Teamwork				
Social				
responsibility				
Personal				
Responsibility				

Table 2. Continuous Improvement Results Since Last Report

STAGE 4: ACT		
Act ons/Goals based on data	Status	Discussion of status
results		
Lalar to implement the come of	D	Novince transfer and report and r
I plan to implement the same in	Р	New instruct onal materials, methods, and modes of delivery are in development.
depth online act vity covering evolut on that will help		development.
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		
continue with this strategy in		
2023-24.		