

Domain	Program-Level Student Learning Outcome (From ALC or ALP)	Year 1	Year 2	Year 3	Year 4	Year 5
		2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Content	Recognize appropriate classification, with respect to anatomical, physiological, and ecological characteristics of marine microbes, plants, invertebrates, and vertebrates.	Improvement Plan: Implement improvement plan and interventions.	Follow-Up Assessment - Data Collection: Assess exam data that reinforce content knowledge from exams from core required upper level courses that reinforce content knowledge to assess improvement from year 1.	Improvement Plan: Develop improvement plan based on follow-up data assessment or develop new data collection goals to change direction and vision of program assessment.	Data Collection: Gather baseline data in courses that introduce content knowledge from exams and baseline data from core required upper level courses that reinforce content knowledge.	Improvement Plan: Implement improvement plan and interventions.
Critical Thinking	Evaluate the physical, chemical and geological characteristics of the marine environment and how they impact marine biology function.	Improvement Plan: Implement improvement plan and interventions.	Follow-Up Assessment - Data Collection: Follow up from same lab courses that assess experimental knowledge using exams or quizzes.	Improvement Plan: Develop improvement plan based on follow-up data assessment or develop new data collection goals to change direction and vision of program assessment.	Data Collection: Gather baseline data in courses that introduce content knowledge from exams and baseline data from core required upper level courses that reinforce	Improvement Plan: Implement improvement plan and interventions.
Communication	Use biological and marine environmental terminology correctly in oral and written form through the assessment of written lab reports or oral scientific presentations	Data Collection: Gather baseline data from courses that require paper report or presentation. Use rubric to assess baseline performance.	Improvement Plan: Implement communication improvement plan and interventions (workshops, recitations, HIPs).	Follow-Up Assessment - Data Collection: Assess communication performance using rubric from courses that require paper report or presentation.	Improvement Plan: Implement communication improvement plan and interventions (workshops, recitations, HIPs).	Data Collection: Gather baseline data from courses that require paper report or presentation. Use rubric to assess baseline performance.
Integrity / Values	Recognize ethical challenges in using animals for marine biology research and ethical challenges of in situ experiments with potential environmental consequences in the field.	Data Collection: Gather baseline data from courses that incorporate ethical considerations in the biological sciences	Improvement Plan: Implement improved ethics plan and interventions.	Follow-Up Assessment - Data Collection: Follow up assessment from courses that were used to gather baseline data in year 1.	Improvement Plan: Implement improved ethics plan and interventions.	Data Collection: Gather baseline data from courses that incorporate ethical considerations in the biological sciences

Assessment Activity (Examples)

Gather baseline data
(Revise rubric; gather data)
Implement actions for improvement
Follow-up assessment (impact data)

Methods of Assessment

Direct Measures: Exam questions Student paper (rubric) Presentation (rubric)	Indirect Measures: Focus group Exit interview Alumni survey	External Direct Measures: Supervisor/Employer feedback External Professional Exam
----------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------	------------------------------------------------------------------------------------------------