

Date: 08/08/2023

Program Name: Biomedical Sciences, B.S.

Department: Biology

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	Identify and use the concepts, principles, and theories that constitute the core of the biomedical sciences	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	Apply scientific method to solve problems in the biomedical sciences	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	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	Communicate biomedical information in oral and written form employing appropriate technology	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	Describe ethical challenges involved in conducting biomedical research with humans and animals	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

Approved April 2024