Student Learning Outcomes/Objectives, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 1: Concepts and experimental approaches
Learn concepts and experimental approaches in a variety of areas of biology.

Related Measures

M 1: Advanced coursework
Completion of advanced coursework in areas of biology appropriate to the student's interest.
Source of Evidence: Academic direct measure of learning - other
Target:
70% of enrolled students will complete the coursework portion of the PhD degree within 2 years of entering the program.

SLO 2: Summaries of independent research
Be able to present effective oral and visual summaries of independent research.

Related Measures

M 2: Annual presentation
Annual presentation of independent research during "Works in Progress Seminars".
Source of Evidence: Presentation, either individual or group

Target:
70% will score "good" or above on a departmentally approved scoring rubric once a year.

SLO 3: Proposal
Orally present a proposal for dissertation research to a general scientific audience.

Related Measures

M 3: Presentation of a research proposal
Presentation of a research proposal in the form of a departmental seminar.
Source of Evidence: Presentation, either individual or group
Target:
70% will score "good" or above on a departmentally approved scoring rubric.

SLO 4: Defend written proposal
Present and defend a written proposal for dissertation research to a specialized audience.

Related Measures

M 4: General Exam
Successfully defend a written proposal to the student's advisory committee (General Exam).
Source of Evidence: Academic direct measure of learning - other
Target:
70% will score "good" or above on a departmentally approved scoring rubric during the closed defense of the research proposal.

SLO 5: Learn, apply, and integrate
Learn, apply, and integrate concepts and experimental approaches from specific areas of biology appropriate to the student's interests.

Related Measures

M 5: Completion and defense of a thesis
Completion and defense of a thesis in an area of the biological sciences appropriate to the student's interest.
Source of Evidence: Academic direct measure of learning - other
Target:
70% of enrolled students will successfully defend a thesis within 5 years of entering the program.