Program-Level Assessment: Annual Report

Program: MS	Department: Biology
Degree or Certificate Level: Graduate	College/School: Arts & Sciences
Date (Month/Year): Sep 2021	Primary Assessment Contact: Laurie Shornick, Chair
In what year was the data upon which this report is based collected? 2021	
In what year was the program's assessment plan most recently reviewed/updated? 2018	

1. Student Learning Outcomes

Which of the program's student learning outcomes were assessed in this annual assessment cycle?

Student Learning Outcomes for all graduate degree programs (MA, MS and PhD), and the program assessment plan were last revised in AY 2017-2018.

SLOs for the Master of Science in Biology degree are:

M.S. degree students will be able to:

1) *Critically analyze primary literature articles by evaluating the m (i)-010.9 8(i)-2T.9 (n0.5 (art)6.7 (if)5.9 (t)0.6 (i[(Cri)-9*

3) *Demonstrate professional integrity*

4) *Use appropriate instrumentation and analytical methods to collect data*

5) *Draw statistically valid conclusions from quantitative data*

The Biology Department has not assessed graduate SLOs in this most recent annual assessment cycle. Detailed justification for this follows in section 6 of this report.

2. Assessment Methods: Artifacts of Student Learning

Which artifacts of student learning were used to determine if students achieved the outcome(s)? Please identify the course(s) in which these artifacts were collected. Clarify if any such courses were offered a) online, b) at the Madrid campus, or c) at any other off-campus location.

N/A

3. Assessment Methods: Evaluation Process

What process was used to evaluate N/A

4. Data/Results

What were the results of the assessment of the learning outcome(s)? Please be specific. Does achievement differ b
teaching modality (e.g., online vs. face-to-face) or on-ground location (e.g., STL campus, Madrid campus, other off
campus site)?

N/A

5. Findings:Interpretations & Conclusions

What have you learned from these results? What does the data tell you?

This past year, we have not collected data for the purpose of program assessment.

2. critically reviewing the current SLOs for our graduate programs (approved in 2017) with the assessment committee and with the entire department, to evaluate whether any changes may be needed;
3. identify existing milestone experiences built into our graduate program that can generate documented evidence of student outcome achievement (for example: the written qualifying exam for PhD students, the mandatory Scientific Communication Practicum or Colloquium, written research proposals, etc.);
4. develop appropriate procedures for systematic collection of specific artifacts generated by students in the educational experiences in (3), and
5. develop rubrics linking the artifacts to specific programmatic learning outcomes.

If no changes are being made, please explain why.

7. Closing the Loop: Review of Previous Assessment Findings and Changes