



Annual Assessment Report for Academic Programs

The University Assessment Team advocates for the enhancement of student learning through purposeful, meaningful, and feasible student-outcomes assessment practices. The Assessment Team seeks to collaborate with programs, departments, and units to ensure that effective assessment of student learning occurs across the University. To assist in meeting this goal, the Team requests that you complete this Annual Assessment Report form to document student learning in your program. A PDF version of this completed form will be posted to the Academic Affairs Assessment website. Please note that this Annual Assessment Report form should only be completed after you have an Assessment Plan for Academic Programs forms on file with the University Assessment Team. The plan is completed once and only updated when revisions have been made to components of the plan.

1. **Degree Level and Program Name:** Applied Mathematics Minor
2. **College/School:** College of Engineering & Science
3. **Assessment Overview** - Briefly share how student learning outcomes assessment is conducted within your program/department (e.g. number of outcomes, examples of assignments used, and frequency of assessment).

The Applied Mathematics Minor has three learning outcomes and assesses one each year.

4. **Student Learning Outcomes & Benchmarks** -Which student learning outcome(s) from the assessment plan filed with the University Assessment Team is/are being reported on in this report? Include the corresponding benchmark(s) for each outcome.

We are assessing Outcome 1 “Apply mathematics to problems in various areas including science and engineering.” The benchmark is that 75% of students will receive a passing grade (73% or higher).

5. **Institutional Outcomes** - For which institutional outcome(s) do the reported student learning outcome(s) align?

SLO Outcome Alignment	Institutional Outcome
	I. Jesuit & Mercy Values
	II. Diversity & Cultural Awareness
Yes	III. Critical Thinking & Problem Solving
	IV. Communication
	V. Professionalism
	VI. Lifelong Learning

6. **Assessment Period:** Select the academic year for which you are reporting results (i.e. when data were collected):
2024-2025



7. **Program Assessment Results** -Briefly summarize the assessment results and how they relate to benchmark(s).

We have chosen that “Learning Outcome 1 will be assessed in MTH 1420 using an application of integration to geometry or physics problem. Learning outcome 1 will also be assessed in MTH 2410 using an applied optimization problem.

Across two sections of MTH 1420, 31 out of 35 students (91%) received a passing score (73% higher) on integration to geometry or physics problems.

Across two sections of MTH 2410, 24 out of 31 students (77%) received a passing score (73% or higher) on applied optimization problems.

8. **Planned Actions and/or Actions Taken in Response to Assessment Results** - Briefly summarize how you are using the assessment results to enhance student learning and improve program quality.

All benchmarks were exceeded (in some cases by large margins), so no changes are planned at this time.