



## Mathematics | 2016-2017 Assessment Plan

1. Please review last year's assessment results (2015-2016) as well as the Academic Program Assessment Report with the faculty in your program. How does your program plan to take these results into consideration in future programmatic planning?
  - No further curricular revision planned with those results.
2. Please review your program's Learning Outcomes. Do any of them need to be updated or clarified?
  - No further revision planned with the current Mathematics Program learning outcomes.
    - a. Please provide brief indications of the kinds of assessment that might be used to assess each outcome.
      - MATH 328 (Fall 2016) & MATH 385 (Spring 2017) – They will be assessed via combinations of assignments and exams.
    - b. Please compare your Learning Outcomes to the University's main learning objectives. Which programmatic outcomes match university mission outcomes?
      - problem-focused education; critical thinking
3. Which outcome will you assess this year (2016-2017)?
  1. Mathematics majors will be able to understand the important mathematical/statistical concepts, theorems, formulas, computational techniques and axiomatic systems in the required courses.
  2. Mathematics majors will be able to demonstrate the ability to follow, construct, and write mathematical proofs.
  4. Mathematics majors will be able to pose mathematical/statistical problems and select and apply appropriate mathematical/statistical theories, models and tools to solve and/or analyze the problems.
4. Which technique will you use to assess this outcome?

Assignments and exams will be designed to assess the outcomes and students' proof will be checked carefully to assess them.
5. Which course or group of students will you assess on the outcome chosen above and when?
  - All the students in MATH 328 will be assessed in the Fall 2016.

- All the students in MATH 385 will be assessed in the Spring 2017.

	Learning Outcome 1	Learning Outcome 2	Learning Outcome 4
MATH 328	✓	✓	✓
MATH 385	✓	✓	✓