

BS Mathematics

Annual Program Report Template

Year:	2021 - 2022
Program:	BS in Mathematics
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Summary of Continuous Improvement Efforts since Last Report

*Provide a brief description of how assessment results have been used for program improvement. Point to a specific example of how an assessment provided the program with data it could use for improvement and what that improvement was, if possible, also show evidence of the improvement. You may look at data from*

Table 1. Assessment Results and Analyses for Current Cycle.

STAGE 1: PLAN				STAGE 2: DO		STAGE 3: STUDY
Departmental Student Learning Goal	Program Student Learning Outcome	Assessment	Assessment Method/Location	Benchmark Expectations	Data Results	Actions/Goals Based on Data Results* What do the data tell you? How will you use this data? How were data from the last cycle used to make changes during this cycle, and What were the results of those changes?
Written Communication	Students should demonstrate growth and self-sufficiency in the proof-writing process.	Two work samples from each of Math 3322, Math 3350/3351, and Math 4325 will be gathered and scored on a rubric.	Students are scored on a rubric (measuring their ability to restate the problem, the correctness of their proof, and indication of growth between samples) for written submissions by their instructors.	100% of graduating seniors will attain at least marginally acceptable on the grading of the work samples in their portfolios.	Of the samples submitted and scored, both were at least marginally acceptable.	Because so many classes were conducted online (synchronous and asynchronous), not all instructors were able to gather samples from all students. In 2021-2022, many courses were again offered face-to-face, increasing our ability to gather samples  We also realize that our goal of 100% is unrealistic and will update this goal for future assessment.
Oral Communication	Students should demonstrate self-sufficiency in producing expository material and in presenting that material orally.	The student will give oral presentations in Math 3350/3351 and Math 4325 defending their solution to a problem. Students who are seeking teacher	Students are scored on a rubric (measuring students' use of logic, their visual aids, the style and delivery, word choice, and response to questions) for	80% of the graduating students earn the minimum average score of 15 points on the presentation by earning points in their use of logic, their use of visual aids, their style and word	Three graduating majors successfully completed this. The remaining graduating majors were taking online sections due to COVID and therefore we	During the 2021-2022 academic year, we were able to move more classes back to face-to-face, therefore increasing the availability of data from these students.

certification will also complete oral presentations in Math 4307. oral presentations by their instructors.

