Bachelor of Science with a major in Mathematics

Macon
Spring Semester 2019

Academic Program Assessment

Program and Assessment Report Information

Prepared on: 9/10/2019 9:26:50 AM	By: Matthew.Houston@mga.edu
In which college or school is this program located?	Arts and Sciences
Program Type:	Undergraduate
Program Name:	Bachelor of Science with a major in Mathematics
Reporting Cycle: (Note: Some programs are required to report on a semester basis for reasons of secondary accreditation or a graduate program required to established assessment data before the next five-year report to SACSCOC.)	Annual Reporting Cycle
Which semester were the data collected and analyzed? If it crossed multiple semesters, select the latest semester of data.	Spring Semester 2019
For which campus are these assessments being submitted? A separate assessment report is needed for each location a program is offered.	Macon
Approximately how many students are in this program at this location?	52

Student Learning Outcomes

SLO 1

What is the first student learning outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to......)	Students will have a basic understanding of Calculus I and II.
What instrument was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)	Exam Questions
What level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 70%, an average of meets on the rubric, 3 of 5 correct).	70% or higher
What is the target percent of students who should achieve mastery of this Student Learning Outcome? (this should be a number between 0-100)	70
During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100)	86

SLO 2

What is the second student learning outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to......)	Students will be able to perform basic proofs and understand logic.
What instrument was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)	Exam Question
What level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 70%, an average of meets on the rubric, 3 of 5 correct).	70% or higher
What is the target percent of students who should achieve mastery of this Student Learning Outcome? (this should be a number between 0-100)	70
During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100)	100

SLO 3

What is the third student learning outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to......)	Students will understand the mathematical structure of statistics.
What instrument was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)	Exam Questions
What level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 70%, an average of meets on the rubric, 3 of 5 correct)	70% or higher
What is the target percent of students who should achieve mastery of this Student Learning Outcome? (this should be a number between 0-100)	70
During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100)	100

SLO 4

What is the fourth student learning outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to......)	Students will understand the basics of vectors and vector spaces.
What instrument was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)	Exam Questions
What level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 70%, an average of meets on the rubric, 3 of 5 correct).	70% or higher
What is the target percent of students who should achieve mastery of this Student Learning Outcome? (this should be a number between 0-100)	70
During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100)	80

Sampling

How many students participated in the assessment of these learning outcomes, in this program, for this assessment cycle at this location?	22

Evidence of changes based on an analysis of results

What changes were implemented based on an analysis of the students' performance on these Student Learning Outcomes? (Evidence of the improvement must be kept and filed in the department or academic unit including but not limited to: changes in exam questions, reading assignments, syllabi, course instruction materials or assignments. Both old versions and new versions should be kept on file for 10 years.)	No need for improvements seen at this time.

Open Box for Assessment Comments	New department chair.

Form run:
Tuesday, January 14, 2020