

UNIVERSITY OF ALASKA FAIRBANKS
Student Learning Outcomes Assessment Plan
Mathematics Undergraduate B.A./B.S. Degree
College of Natural Sciences and Mathematics
Revised November 2022

Expanded Statement of Institutional Purpose	Intended Objectives/Outcomes	Assessment Criteria and Procedures	Implementation (what, when, who)
MISSION STATEMENT: We shall provide a high quality mathematics education responsive to the needs of individual students and the diverse population of Alaska	Students will attain mastery of core mathematical concepts at the baccalaureate-level comparable to those at other institutions.	We will give the ETS Major Fields Test in Mathematics to all majors, preferably close to graduation.	Every spring the instructors of Math 490 and Stat 454 will require all students to take the Major Field Test in Mathematics. The Assessment Committee will review test results and discuss any needed changes
GOAL STATEMENT: To assure that our graduates attain a solid understanding of mathematics and are adequately prepared to succeed in the job market or advanced study.	Students will have opportunities to develop the necessary skills to achieve their career goals in mathematics.	A) Exit Survey B) Tracking of recent graduates	Every spring, the instructors of Math 490 and Stat 454 will require all students complete an exit survey that includes questions about students' views of the program and information about their post-graduate plans. Faculty will be surveyed annually regarding recent graduates. A list of graduates will be maintained.
	Communications Students will understand and write formal mathematical arguments. They will demonstrate the ability to solve problems using mathematics and to independently craft effective written explanations of mathematical material.	Portfolios of final exams from at least two writing-intensive mathematics courses.	At the end of every semester, final exams in MATH 215, MATH 401, and MATH 405 will be retained. The communication skills of graduating students will be evaluated by the Assessment Committee on a two-year cycle by reviewing students' writing portfolios.

Submitted by: