	Degree: MS Mathematics 2023-2024 Assessment Plan		
	Student Learning Outcome #1	Mathematical knowledge: Each graduate student completing the MS Program will demonstrate a high level of mathematical proficiency in three or more areas of mathematics.	
PLAN	Assessment Method(s)	Students will demonstrate breadth of knowledge in 3 of the 4 core areas (analysis, algebra, topology, complex analysis) by earning a C or better in a course in that area.	
	Proficiency	A student will be deemed proficient in each of the three areas if they earn a C or better in the course.	
DO	Benchmark	100% of graduating students will be proficient in mathematical knowledge, with 80% earning a B or higher in all three core courses.	
	Results of Assessment	100% of students met this benchmark	
S T U D Y	Analysis of Results	This student learning outcome is not a good programmatic assessment and will be replaced for 2024-2025.	

ACT	Improvement Plan for 2024-2025	We understand that course grades are not an adequate measure of mathematical proficiency. At a faculty meeting on 9/19/2024, faculty discussed adjusting this assessment method to more adequately measure student content knowledge in ways that do not rely on grades. We will be looking for new ways to gather artifacts from these courses.

	Degree: MS Mathematics 2023-2024 Assessment Plan		
	Student Learning Outcome #2	Oral communication competency - each graduate student will demonstrate competency in oral communication skills in mathematics.	
PLAN	Assessment Method(s)	Student's oral skills will be assessed during the defense of their thesis or an oral examination over coursework. A panel of three faculty members will evaluate their oral communication skills using a rubric.	
	Proficiency	A student will be deemed proficient if they have an average score 6.5 or higher (out of 9) on the oral presentation rubric, with no score below 5 from any panelist.	
DO	Benchmark	90% of students will be deemed proficient with no score below 5 from any panelist.	
	Results of Assessment	100% of students met this benchmark	
S T U D Y	Analysis of Results	This student learning outcome is not a good programmatic assessment and will be replaced for 2024-2025.	

ACT	Improvement Plan for 2024-2025	Starting in 2024-2025, students will be assessed on their oral presentation competency scores in at least four required classes for their program. These skills will be assessed by their instructor and their results will be added to their file. By graduation, all students will have to have proven their competency in oral communication (a score of 6.5 or higher out of 9) in at least three courses.

	Degree: MS Mathematics 2023-2024 Assessment Plan		
	Student Learning Outcome #3	Oral communication content knowledge - each graduate student will orally demonstrate content knowledge in mathematics.	
PLAN	Assessment Method(s)	Student's content knowledge will be assessed during the defense of their thesis or an oral examination over coursework. A panel of three faculty members will evaluate their oral communication skills using a rubric.	
	Proficiency	A student will be deemed proficient if they have an average score 6.5 or higher (out of 9) on the oral presentation rubric, with no score below 5 from any panelist.	
DO	Benchmark	90% of students will be deemed proficient with no score below 5 from any panelist.	
	Results of Assessment	100% of students met this benchmark.	
S T U D Y	Analysis of Results	This student learning outcome is not a good programmatic assessment and will be replaced for 2024-2025.	

ACT	Improvement Plan for 2024-2025	Starting in 2024-2025, students will be assessed on their oral presentation knowledge with scores in at least four required classes for their program. These skills will be assessed by their instructor and their results will be added to their file. By graduation, all students will have to have proven their content knowledge in oral communication (a score of 6.5 or higher out of 9) in at least three courses.

	Degree: MS Mathematics 2023-2024 Assessment Plan		
	Student Learning Outcome #4	Scholarly work – written competency – student's written communication skills will be assessed by the progression of their thesis or other written submissions.	
PLAN	Assessment Method(s)	A panel of three faculty members will assess the student's written thesis according to a rubric.	
	Proficiency	A student will be deemed proficient if they have an average score 6.5 or higher (out of 9) on the oral presentation rubric, with no score below 5 from any panelist.	
DO	Benchmark	100% of graduating students will be deemed proficient.	
	Results of Assessment	100% of students met this benchmark.	
S T U D Y	Analysis of Results	Students who progress to the defense of their thesis are well-guided by their advisors to complete a well-written thesis.	

ACT	Improvement Plan for 2024-2025	This student learning outcome is a goal of our program since we want out students to present well-written theses, but we are exploring other ways of measuring a similar goal.

	Degree: MS Mathematics 2023-2024 Assessment Plan		
	Student Learning Outcome #5	Scholarly work – written communication of content knowledge – student's written communication of mathematical knowledge will be assessed by the progression of their thesis or other written submissions.	
PLAN	Assessment Method(s)	A panel of three faculty members will assess the student's written thesis according to a rubric.	
	Proficiency	A student will be deemed proficient if they have an average score 6.5 or higher (out of 9) on the oral presentation rubric, with no score below 5 from any panelist.	
DO	Benchmark	100% of graduating students will be deemed proficient.	
	Results of Assessment	100% of our students met this benchmark.	
S T U D Y	Analysis of Results	Students who progress to the defense of their thesis are well-guided by their advisors to complete a mathematically correct thesis.	

ACT	Improvement Plan for 2024-2025	This student learning outcome is a goal of our program since we want out students to present mathematically correct theses, but we are exploring other ways of measuring a similar goal.

		Degree: MS Mathematics 2023-2024 Assessment Plan
	Student Learning Outcome #6	Students are satisfied with the mathematical knowledge they received from the program.
PLAN	Assessment Method(s)	Exit survey.
	Proficiency	Students indicate that they are somewhat satisfied, satisfied, or extremely satisfied with the program based on an exit survey.
DO	Benchmark	70% of students indicate that they are somewhat satisfied, satisfied, or extremely satisfied with the program.
	Results of Assessment	No data collected – this survey will be piloted in Fall 2024.
S T U D Y	Analysis of Results	No data collected

ACT	Improvement Plan for 2024-2025	Design and implement exit survey and collect data for 2024-2025.