

Program Assessment Plan

Department Name: Mathematics
Major: MS MATHEMATICS

Student Learning Goals:

1.	Write Mathematically Correct Proofs of Difficult Results.
2.	Understand the Relationship Among the Branches of Mathematics and Between Mathematics and its Applications.
3.	Membership in the Mathematics Community.

Assessment Plan:

Assessment Measure:	Goals Addressed: (list by number)	How is the information used?
Examinations and homework in Math 516	1	The Mathematics Graduate Committee is charged with both assembling assessment data and acting upon it. The committee examines the records of each year's graduating class. If students are unable to write mathematically correct proofs, the committee will consider either revising syllabi of existing courses to add a greater emphasis on proof or recommending to the Department as a whole that we add more required courses focusing on proof to the curriculum.
Using the culminating activity of each student's option under the master's degree	2	The Mathematics Graduate Committee is charged with both assembling assessment data and acting upon it. If students are unable to understand the connections which bind the branches of mathematics together and to their roots in the applications, the committee will revise syllabi to re-focus the individual courses which make up the curriculum so as to clarify these connections in a more concrete way for the students.
Student's participation in seminars and colloquia and membership in mathematical professional societies	3	The Mathematics Graduate Committee is charged with both assembling assessment data and acting upon it. If students do not participate in the mathematical community, we will consider granting credit for colloquium attendance and making it obligatory, as do some other programs in the sciences.

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