

MS Mathematics 5-year Assessment Plan

PLO 1 Evaluate and create proofs in graduate level mathematics using the fundamental definitions and theorems.

PLO 2: Create solutions to problems using techniques in graduate level mathematics.

PLO 3: Communicate graduate level mathematics effectively.

The Department of Mathematics will assess PLO #1, PLO #2 and PLO #3 for mastery in the required capstone course bi-annually as shown in the table below. Student artifacts will be collected by the instructor who will identify specific elements/problems in which the students are able to demonstrate each PLO to be assessed. Items will be saved and assessed annually for PLO attainment by members of the Graduate Curriculum Committee using a department approved rubric. Each rubric includes the following dimensions: Readability, Validity, and Fluency (RVF). The assessment process will include a norming by the committee followed by assessment of, at a minimum, 10 student artifacts per year. If enrollment in the capstone falls below 10 students in any year, the assessment of the corresponding PLO will occur in the following year.

	PLO 1	PLO 2	PLO 3
Even Years			
Fall Capstone	X		X
Spring Capstone		X	
Odd Years			
Fall Capstone		X	
Spring Capstone	X		X