



Mathematics Assessment Plan Dashboard - 2018/19

SLO	Description	Met Target?	
		Method 1	Method 2
1	Analyze problems and formulate appropriate mathematical models in a variety of areas of Mathematics.	Not Met	Met
2	Select and utilize appropriate mathematical technology with which to analyze mathematical problems in a wide variety of areas.	Met	Met
3	Make rigorous mathematical arguments including how to both prove and disprove conjectures.	Met	Met
4	Make rigorous mathematical arguments including how to both prove and disprove conjectures.	Not Met	New
5	Use the concepts of Algebra in solving problems. The fundamental concepts include equations, numbers, and algebraic structures.	Met	Met
6	Use the concepts of Statistics in data analysis and inference. The fundamental concepts include sampling, graphing, risk, probability, and hypothesis testing.	Met	Met
7	Express themselves in writing and orally in an articulate, sound, and well-organized fashion.	Met	Met

Key	
n/a	not applicable, method not used
NR	not reported, no results reported
Exceeded	exceeded the target
Met	target met, no action required
Not Met	target not met
New	new measurement, results not gathered yet
IP	in process, interpretation of results is in work



Mathematics Assessment Plan Dashboard Detail - 2018/19

SLO1 - Analyze problems and formulate appropriate mathematical models in a variety of areas of Mathematics.

Method 1 MFT	Our cohorts will score above the 30th percentile in non-routine and routine problems	Not Met
Method 2 Statistics Project	70% of the groups score above 70% using the standard rubric developed for this project	Met

SLO2 - Select and utilize appropriate mathematical technology with which to analyze mathematical problems in a wide variety of areas.

Method 1 Tech writing final paper	70% of the students score above 70% using the standard rubric developed for this project	Met
Method 2 Statistics Project	70% of the groups score above 70% using the standard rubric developed for this project	Met

SLO3 - Make rigorous mathematical arguments including how to both prove and disprove conjectures.

Method 1 Number theory take home portion of the final exam	70% of the students score above 70% on this assessment	Met
Method 2 Modern Algebra final exam	70% of the students score above 70% on this assessment	Met

SLO4 - Make rigorous mathematical arguments including how to both prove and disprove conjectures.

Method 1 MFT	Our cohorts will score above the 30th percentile in calculus	Not Met
Method 2 Pre/post calculus exam given to incoming majors and seniors.	New/Under development	New

SLO5 - Use the concepts of Algebra in solving problems. The fundamental concepts include equations, numbers, and algebraic structures.		
Method 1 MFT	Our cohorts will score above the 30th percentile in algebra	Met
Method 2 Modern Algebra final exam	70% of the students score above 70% on this assessment	Met
SLO6 - Use the concepts of Statistics in data analysis and inference. The fundamental concepts include sampling, graphing, risk, probability, and hypothesis testing.		
Method 1 Probability Final Exam	70% of the students score above 70% on this assessment	Met
Method 2 Statistics Project	70% of the groups score above 70% using the standard rubric developed for this project	Met
SLO7 - Express themselves in writing and orally in an articulate, sound, and well-organized fashion.		
Method 1 Tech writing final paper	70% of the students score above 70% on this assessment	Met
Method 2 Math History Presentation	70% of the students score above 70% on this assessment	Met