

## Mathematics Program Assessment Map

Student Learning Outcomes	MATH 122	MATH 131	MATH 201	STAT 202	MATH 268/278/288	MATH 311/321/331	MATH 361/371/381	MATH 491	Longitudinal
<b>Construct Proofs:</b> Students are able to construct formal mathematics proofs.		Measure 1: Three to five proofs graded based on Proof Rubric.					Measure 2: Three to five proofs graded based on Proof Rubric.		Measure 3: Track improvement from 131 to 361/371/381 based on Proof Rubric.
<b>Use Math in Real World:</b> Students are able to utilize mathematics in the solution of real-world problems.	Measure 1: Lab graded based on Solution Rubric.					Measure 2: Assignment graded based on Solution Rubric.			Measure 3: Track improvement from 122 to 311/321/331 based on Solution Rubric.
<b>Appropriate Technique:</b> Students are able to think critically and reason logically to choose an appropriate solution technique.	Measure 1: Questions from a test evaluated on if the student recognized the type of infinite series and used appropriate test.	Measure 2: Three to five proofs evaluated on if the student attempted an appropriate type of proof.		Measure 3: Questions from a test evaluated on if the student recognized the type of distribution involved and used appropriate test.			Measure 4: Three to five proofs evaluated on if the student attempted an appropriate type of proof.		
<b>Communication:</b> Students are able to communicate effectively the results of mathematical work done.			Measure 1: Assignment graded based on Report Rubric.		Measure 2: Presentation graded based on Presentation Rubric.			Measure 3: Project graded based on Report Rubric.  Presentation graded based on Presentation Rubric.	
<b>Use/Read Mathematics:</b> Students are able to understand and use the language of mathematics as it appears in texts, technical materials, and journal articles.				Measure 1: Assignment or test question evaluated on if student correctly read definition(s) and/or theorem(s).			Measure 2: Assignment or test question evaluated on if student correctly read symbolic mathematical statements.	Measure 3: Assignment evaluated on student's ability to accurately explain main ideas from a journal article.	