

CSU Chico
 Assessment Plan – Department of Mathematics and Statistics
BS in MATHEMATICS

SLO	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
Demonstrate basic skills and conceptual understanding of differential, integral, and multivariable calculus. GC1		x		x	
Demonstrate basic skills and conceptual understanding as relating to fundamental mathematical objects introduced in our degree core, such as, sets, functions, equations, vectors, and matrices. GC2			x		
Demonstrate basic understanding of probability and statistics, relevant to their option. GC3	x			x	x
Demonstrate more technical skills and more in-depth and broader conceptual understanding in core mathematical areas (such as, analysis, geometry/topology, algebra, applied math, statistics), relevant to their option in the major. GC4					
Interpret and translate problems into appropriate mathematical language; then solve problems by applying appropriate strategies, and interpreting the results. PS	x	x	x	x	

SLO	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
Demonstrate the ability to effectively and accurately write on mathematical topics relevant to their mathematics option and appropriate to their audience. COM1		x		x	
Demonstrate the ability to effectively and accurately speak on mathematical topics relevant to their mathematics option and appropriate to their audience. COM2		x		x	x
Students can read mathematical proofs, extract the key ideas used in the proof, and convey the logic behind the proof; they can also write their own rigorous and logically correct proofs. PP				x	
Students use technology to manipulate mathematical objects (e.g., functions equations, data sets, etc.), to conduct mathematical explorations, to model problem scenarios, and to analyze mathematical objects. TECH		x	x		
Students demonstrate the ability to apply mathematics and statistics to new contexts (e.g., in other classes, the workplace, graduate school, or classes they teach). LL1					x
Students recognize and appreciate the role that mathematics can play in their futures and in society in general. LL2	x				x