

## MATHEMATICS DEPT : Two-year offering plan 2021-2022 / 2022-2023

### Key

X	Course offered every semester
X	Course offered every Fall
X	Course offered every Spring
X	Elective not offered every year
X	Summer offering

		Service courses				
		2021-2022		Summer 2021	2022-2023	
		Fall 2021	Spring 2022		Fall 2022	Spring 2023
MATH 0	Prep for Calculus	X			X	
MATH 5	Intro Math Thought		X			X
MATH 12	Intro Statistics	X	X		X	X
MATH 21	Calculus I	X	X	X	X	X
MATH 22	Calculus II	X	X	X	X	X
MATH 23	Calculus III	X*	X	X	X*	X
MATH 43	Survey of Linear Algebra	X			X	
MATH 51	Survey of Calculus I	X	X		X	X
MATH 52	Survey of Calculus II	X	X		X	X
MATH 75	Calculus I, Part A	X			X	
MATH 76	Calculus I , Part B		X			X
MATH 81	Calculus with Bus Appl	X	X	X	X	X
MATH 82	Math for Anal Finance	X	X		X	X
MATH 130	Biostatistics		X			X
MATH 205	Linear Methods	X	X	X	X	X
MATH 208	Complex Variables	X	X	X	X	X
MATH 231	Probability & Statistics	X	X	X	X	X

\* MATH 33 Honors Calculus option possible

This information is indicative and could be modified.

		Major courses			
		2021-2022		2022-2023	
		Fall 2021	Spring 2022	Fall 2022	Spring 2023
MATH 163	Intro Math Reasoning		X		X
MATH 201	Problem Solving	X		X	
MATH 202	Actuarial Exam I		X		
MATH 203	Actuarial Exam II				X
MATH 208	Complex Variables	X	X	X	X
MATH 229	Geometry		X		
MATH 230	Numerical Methods	X			
MATH 241	Applied Linear Algebra	X		X	
MATH 242	Linear Algebra	X		X	
MATH 243	Algebra		X		X
MATH 252	Intro Combinatorics			X	
MATH 263	Intro Theory Probability	X	X	X	X
MATH 264	Intro Stat Reasoning		X		X
MATH 301	Principles of Analysis I	X		X	
MATH 302	Principles of Analysis II				
MATH 305	Enumerative Combinatorics		X		
MATH 307	General Topology			X	
MATH 309	Prob. w Appl. and Simul.	X		X	
MATH 310	Random Processes and Appl	X	X	X	X
MATH 311	Graph Theory				X
MATH 312	Stat Computing and Appl	X	X	X	X
MATH 316	Complex Analysis	X			
MATH 319	Intro Diff Equations		X		X
MATH 320	Ordinary Diff Eqns	X			
MATH 321	Topics in Discrete Math	X		X	
MATH 322	Meth Applied Analysis I			X	
MATH 323	Meth Applied Analysis II				
MATH 327	Groups and Rings	X		X	
MATH 331	Differential Geometry		X		
MATH 334	Mathematical Statistics		X		X
MATH 338	Linear Models in Stat		X		X
MATH 339	Times Series and Forecasting	X		X	
MATH 341	Mathematical Models		X		X
MATH 342	Number Theory				
MATH 343	Intro Cryptography				
MATH 365	Stat Machine Learning	X		X	
MATH 374	Statistical Project	X	X	X	X
MATH 381	Undergraduate Research	X	X	X	X

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		Graduate courses			
		2021-2022		2022-2023	
		Fall 2021	Spring 2022	Fall 2022	Spring 2023
MATH 301	Principles of Analysis I	X		X	
MATH 302	Principles of Analysis II				
MATH 305	Enumerative Combinatorics		X		
MATH 307	General Topology			X	
MATH 309	Prob. w Appl. and Simul.	X		X	
MATH 310	Random Processes and Appl	X	X	X	X
MATH 311	Graph Theory				X
MATH 312	Stat Computing and Appl	X	X	X	X
MATH 316	Complex Analysis	X			
MATH 319	Intro Diff Equations		X		X
MATH 320	Ordinary Diff Eqns	X			
MATH 321	Topics in Discrete Math	X		X	
MATH 322	Meth Applied Analysis I			X	
MATH 323	Meth Applied Analysis II				
MATH 327	Groups and Rings	X		X	
MATH 331	Differential Geometry		X		
MATH 334	Mathematical Statistics		X		X
MATH 338	Linear Models in Stat		X		X
MATH 339	Times Series and Forecasting	X		X	
MATH 341	Mathematical Models		X		X
MATH 342	Number Theory				
MATH 343	Intro Cryptography				
MATH 365	Stat Machine Learning	X		X	
MATH 374	Statistical Project	X	X	X	X
MATH 401	Real Analysis I	X		X	
MATH 402	Real Analysis II		X		X
MATH 405	Partial Diff Eqns I		X		
MATH 406	Partial Diff Eqns II				
MATH 408	Algebraic Topology I				X
MATH 416	Complex Function Theory				
MATH 423	Differential Geometry I			X	
MATH 424	Differential Geometry II				X
MATH 428	Fields and Modules		X		X
MATH 430	Numerical Analysis				TBD
MATH 435	Functional Analysis I				
MATH 444	Algebraic Topology II	X			
MATH 462	Modern Non-param Stat				
MATH 463	Advanced Probability		X		
MATH 464	Advanced Stoch Processes				TBD
MATH 467	Stochastic Calculus	X		X	
MATH 468	Financial Stochastic Analysis		X		X
MATH 471	Homological Algebra				
MATH 472	Group Representations				
MATH 475	Topics in Geometry	X			
STAT 412	Advanced Applied Stat				
STAT 450	SAS Programming		X		
STAT 471	Statistical Learning and Comp				

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