

## Mathematics Department: Course Offering Plan

Course	Course Title	Fall 2021	Spring 2022	Summer 2022	Fall 2022	Spring 2023	Summer 2023	Fall 2023	Spring 2024	Summer 2024	Fall 2024	Spring 2025	Summer 2025	Fall 2025	Spring 2026
1000	Transitional Algebra	x	x		x	x		x	x		x	x		x	x
1010	Math for General Studies	x	x		x	x		x	x		x	x		x	x
1130	College Algebra	x	x	x	x	x	x	x	x	x	x	x	x	x	x
1410	Number Concepts for Teachers	x	x		x	x		x	x		x	x		x	x
1420	Geometry Concepts for Teachers	x	x		x	x		x	x		x	x		x	x
1530	Introductory Statistics	x	x	x	x	x	x	x	x	x	x	x	x	x	x
1630	Finite Mathematics														
1710	Pre-calculus Algebra	x	x	x	x	x	x	x	x	x	x	x	x	x	x
1720	Pre-calculus Trigonometry	x	x	x	x	x	x	x	x	x	x	x	x	x	x
1730	Pre-calculus Math	x	x		x	x		x	x		x	x		x	x
1830	Applied Calculus	x	x	x	x	x	x	x	x	x	x	x	x	x	x
1845	Technical Calculus	x	x		x	x		x	x		x	x		x	x
1910	Calculus I	x	x	x	x	x	x	x	x	x	x	x	x	x	x
1911	Calculus I Honors Seminar	x			x			x			x			x	
1920	Calculus II	x	x	x	x	x	x	x	x	x	x	x	x	x	x
1921	Calculus II Honors Seminar		x			x			x			x			x
2010	Introduction to Linear Algebra	x	x	x	x	x	x	x	x	x	x	x	x	x	x
2110	Calculus III	x	x	x	x	x	x	x	x	x	x	x	x	x	x
2120	Differential Equations	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3070	Statistical Methods I	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3080	Statistical Methods II	x	x		x	x		x	x		x	x		x	x
3400	Intro to Concepts of Mathematics	x	x		x	x		x	x		x	x		x	x
3430	College Geometry		x			x			x			x			x
3470	Intro to Probability and Statistics	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3810	Complex Variables	x	x		x	x		x	x		x	x		x	x
4010	Modern Algebra I		x			x			x			x			x
4020	Modern Algebra II	x			x			x			x			x	
4050/5050	Number Theory														
4060/5060	Topics in Cryptography														
4110/5110	Advanced Calculus I	x			x			x			x			x	
4120/5120	Advanced Calculus II		x			x			x			x			x
4210/5210	Numerical Analysis I	x			x			x			x			x	
4220/5220	Numerical Analysis II		x			x			x			x			x
4250/5250	Advanced Ordinary Diff Eq I														
4260/5260	Advanced Ordinary Diff Eq II														
4310/5310	Intro to Topology I				x										
4320/5320	Intro to Topology II					x									
4350/5350	Introductory Combinatorics														
4360/5360	Graph Theory				x										
4410/5410	Differential Geometry					x						x			
4470/5470	Probability and Statistics I	x			x			x			x			x	
4480/5480	Probability and Statistics II		x			x			x			x			x

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4510/5510	Advanced Math for Engineers	x	x		x	x		x	x		x	x		x	x
4530/5530	Linear Algebra I	x			x			x			x			x	
4540/5540	Linear Algebra II		x			x			x			x			x
4550/5550	Mathematics of Investment I														
4560/5560	Mathematics of Investment II														
4610/5610	History of Mathematics I					x						x			
4620/5620	History of Mathematics II		x						x						x
4710/5710	Vector Analysis														
4750/5750	Category Theory of Sets														
4850/5850	Computational Algebraic Geometry I				x										
4860/5860	Computational Algebraic Geometry II					x									
6001	Communicating Mathematics I														
6002	Communicating Mathematics II														
6010	Functional Analysis I										x				
6020	Functional Analysis II											x			
6070	Applied Statistical Methods I				x						x				
6080	Applied Statistical Methods II					x						x			
6110	Abstract Algebra I	x			x			x			x			x	
6120	Abstract Algebra II		x			x			x			x			x
6150	Mathematical Modeling														
6170	Experimental Design I	x						x						x	
6180	Experimental Design II		x						x			x			x
6210	Topology I				x						x				
6220	Topology II					x						x			
6240	Representations & Characters of Groups I														
6250	Representations & Characters of Groups II														
6270	Mathematical Statistics				x			x			x				
6310	Complex Analysis I				x										
6320	Complex Analysis II					x									
6370	Stochastic Processes I	x						x						x	
6380	Stochastic Processes II		x						x						x
6410	Real Analysis I	x						x						x	
6420	Real Analysis II		x						x						x
6450	Advanced Theory of Computation														
6460	Computational Methods for Graphics														
6470	Environmental Statistics					x						x			
6510	Finite Difference PDEs				x						x				
6520	Finite Element PDEs					x						x			
6530	Integral Equations		x						x						x
6540	Calculus of Variations					x						x			
6610	Operational Mathematics		x						x						x
6700	Graph Theory														
6810	Partial Differential Equations	x						x						x	