Department Name: Mathematics

PDC courses are identified with a blue highlight

Fall 2023

Course Number	Course Title	GE Category (if applicable)	Units
1001L	Quantitative Reasoning Lab		1
1101	Mathematics and Society	B4	3
1102	Stretch Mathematics and Society A		3
1103	Stretch Mathematics and Society B	B4	3
1201	Introduction to Statistical thinking	B4	3
1202	Stretch Introduction to Statistical Thinking A		3
1203	Stretch Introduction to Statistical thinking B	B4	3
1301	Modeling with functions	B4	3
1302	Stretch Modeling with Functions A		3
1303	Stretch Modeling with Functions B	B4	3
1401	Accelerated Preparation for Calculus	B4	4
1402	Preparation for Calculus A	B4	3
1402L	Preparation for Calculus A Lab		1
1403	Preparation for Calculus B	B4	3
1501	Critical Thinking Through Applications of Mathematical Logic	A3	3
1601	Modeling with Calculus	B4	3
2210	Calculus I	B4	4
2210L	Calculus I Lab		1
2220	Calculus II		4
2265	Statistics with Applications		3
2270	Differential Equations with Dynamical Systems I		3
2310	Applied Linear Algebra		4
2320	Multivariable Calculus		4
2372	Discrete Mathematics		3
2900	Problem Solving and Mathematical Reasoning for Teachers I		4
3010	Mathematical Concepts and Problem Solving for Educators I		4
3012	Mathematical Concepts and Problem Solving for Educators II		3
3012L	Proportional Reasoning Lab for Educators		1
3013	Mathematical Concepts and Problem Solving for Educators III		3
3013L	Algebra and Geometry Lab for Educators		1
3100	Mathematical Thinking: Communication and Proof		4
3329	Euclidean Geometry with Transformations		3
3345	Number Theory		3
3372	Combinatorics		3
3460	Probability Theory		3
3480	Topics in History of Mathematics		3
4300	Real Analysis		4
4360	Linear Statistical Models		3
4600	Theory of Rings and Fields		4
4900	Problem Solving and Mathematical Reasoning for Teachers II		4
5170	Complex Analysis		3
5550	Introduction to Topology		3
5600	Group Theory		3
5900	Senior Seminar for Future Mathematics Educators		3
		Total Units	133

Spring 2024

Course Number	Course Title	GE Category (if applicable)	Units
1101	Mathematics and Society	B4	3
1103	Stretch Mathematics and Society B	B4	3
1201	Introduction to Statistical Thinking	B4	3
1203	Stretch Introduction to Statistical Thinking B	B4	3
1301	Modeling with Functions	B4	3
1303	Stretch Modeling with Functions B	B4	3
1401	Accelerated Preparation for Calculus	B4	4
1402	Preparation for Calculus A	B4	3
1403	Preparation for Calculus B	B4	3
1501	Critical Thinking Through Applications of Mathematical Logic	A3	3
1601	Modeling with Calculus	B4	3
2210	Calculus I	B4	4
2220	Calculus II		4
2220L	Calculus II Lab		1
2265	Statistics with Applications		3
2270	Differential Equations with Dynamical Systems I		3
2310	Applied Linear Algebra		4
2320	Multivariable Calculus		4
2372	Discrete Mathematics		3
2900	Problem Solving and Mathematical Reasoning for Teachers I		4
3010	Mathematical Concepts and Problem Solving for Educators I		4
3012	Mathematical Concepts and Problem Solving for Educators II		3
3012L	Proportional Reasoning Lab for Educators		1
3013	Mathematical Concepts and Problem Solving for Educators III		3
3013L	Algebra and Geometry Lab for Educators		1
3100	Mathematical Thinking: Communication and Proof		4
3320	Mathematical Interest Theory.		3
3329	Euclidean Geometry with Transformations		3
3345	Number Theory		3
3372	Combinatorics		3
3460	Probability Theory		3
3480	Topics in History of Mathematics		3
3770	Introduction of Graph Theory		3
4270	Differential Equaations with Dynamical Systems II		3
4300	Real Analysis		4
4485	Differential Geometry		3
4600	Theory of Rings and Fields		3
4900	Problem Solving and Mathematical Reasoning for Teachers II		4
5300	Advanced Real Analysis		3
5310	Advanced Linear Algebra		3
5360	Statistical Methods for Machine Learning		3
5529	Advanced Topics in Geometry		3
5565	Mathematical Statistics		3
5900	Senior Seminar for Future Mathematics Educators		3
			3
		Total Units	148

Fall 2024

Course Number	Course Title	GE Category (if applicable)	Units
1001L	Quantitative Reasoning Lab		1
1101	Mathematics and Society	B4	3
1102	Stretch Mathematics and Society A		3
1201	Introduction to Statistical thinking	B4	3
1202	Stretch Introduction to Statistical Thinking A		3
1301	Modeling with functions	B4	3
1302	Stretch Modeling with Functions A		3
1401	Accelerated Preparation for Calculus	B4	4
1402	Preparation for Calculus A	B4	3
1402L	Preparation for Calculus A Lab		1
1403	Preparation for Calculus B	B4	3
1501	Critical Thinking Through Applications of Mathematical Logic	A3	3
1601	Modeling with Calculus	B4	3
2210	Calculus I	B4	4
2210L	Calculus I Lab		1
2220	Calculus II		4
2265	Statistics with Applications		3
2270	Differential Equations with Dynamical Systems I		3
2310	Applied Linear Algebra		4
2320	Multivariable Calculus		4
2372	Discrete Mathematics		3
2900	Problem Solving and Mathematical Reasoning for Teachers I		4
3010	Mathematical Concepts and Problem Solving for Educators I		4
3012	Mathematical Concepts and Problem Solving for Educators II		3
3012L	Proportional Reasoning Lab for Educators		1
3013	Mathematical Concepts and Problem Solving for Educators III		3
3013L	Algebra and Geometry Lab for Educators		1
3100	Mathematical Thinking: Communication and Proof		4
3329	Euclidean Geometry with Transformations		3
3345	Number Theory		3
3372	Combinatorics		3
3460	Probablity Theory		3
3465	Computational Statistics		3
3480	Topics in History of Mathematics		3
4300	Real Analysis		4
4320	Introdction to Actuarial Modeling		3
4455	Partial Differential Equations & Fourier Analysis		3
4600	Theory of Rings and Fields		4
4900	Problem Solving and Mathematical Reasoning for Teachers II		4
5170	Complex Analysis		3
5550	Introduction to Topology		3
5600	Group Theory		3
5900	Senior Seminar for Future Mathematics Educators		3
		Total Units	126

Spring 2025

Course Number	Course Title	GE Category (if applicable)	Units
1101	Mathematics and Society	B4	3
1103	Stretch Mathematics and Society B	B4	3
1201	Introduction to Statistical Thinking	B4	3
1203	Stretch Introduction to Statistical Thinking B	B4	3
1301	Modeling with Functions	B4	3
1303	Stretch Modeling with Functions B	B4	3
1401	Accelerated Preparation for Calculus	B4	4
1402	Preparation for Calculus A	B4	3
1403	Preparation for Calculus B	B4	3
1501	Critical Thinking Through Applications of Mathematical Logic	A3	3
1601	Modeling with Calculus	B4	3
2210	Calculus I	B4	4
2220	Calculus II		4
2220L	Calculus II Lab		1
2265	Statistics with Applications		3
2270	Differential Equations with Dynamical Systems I		3
2310	Applied Linear Algebra		4
2320	Multivariable Calculus		4
2720	Discrete Mathematics		3
3010	Mathematical Concepts and Problem Solving for Educators I		4
3012	Mathematical Concepts and Problem Solving for Educators II		3
3012L	Proportional Reasoning Lab for Educators		1
3013	Mathematical Concepts and Problem Solving for Educators III		3
3013L	Algebra and Geometry Lab for Educators		1
2900	Problem Solving and Mathematical Reasoning for Teachers I		4
3100	Mathematical Thinking: Communication and Proof		4
3320	Mathematical Interest Theory.		3
3329	Euclidean Geometry with Transformations		3
3345	Number Theory		3
3372	Combinatorics		3
3460	Probabilty Theory		3
3480	Topics in History of Mathematics		3
3770	Introduction to Graph Theory		3
4270	Differential Equaations with Dynamical Systems II		3
4300	Real Analysis		4
4600	Theory of Rings and Fields		4
4900	Problem Solving and Mathematical Reasoning for Teachers II		4
5300	Advanced Real Analysis		3
5310	Advanced Linear Algebra		3
5329	Advanced Topics in Geometry		3
5565	Mathematical Statistics		3
5900	Senior Seminar for Future Mathematics Educators		3
		Total Units	139