

SEMESTERS						
Course	Cr	Title	CIF	SYL	SUB	CROSS
MTE 6400	3	History of Mathematics	Y	L		MTH4400
MTE 6410	3	Effective Mathematics Instruction for Grades 4 and 5	Y	L		ED7070
MTE 6420	3	Probability and Statistics for Middle School Teachers	Y	L		STT3420
MTE 6430	4	Algebra and Functions for Middle School Teachers	Y			MTH3430
MTE 6450	3	Geometry for Middle School Teachers	Y			MTH3450
MTE 6460	4	Problem Solving and Modeling for Middle School Teachers	Y			MTH4460
MTE 6480	3	Concepts of Calculus for Middle School Teachers	Y			MTH3480
MTE 6880	var	Action Research In Mathematics Education	Y			
MTE 6920	var	Seminar in Mathematics Education	Y			
MTE 6990	var	Special Topics in Mathematics Education	Y			
MTH 1260	3	Intermediate Algebra	Y	S		
MTH 1280	3	College Algebra	Y	S		
MTH 1340	4	Precalculus	Y	S		
MTH 1450	3	Mathematics and The Modern World	Y	L		
MTH 2240	4	Applied Calculus	Y	L		
MTH 2280	4	Business Calculus I	Y	L		
MTH 2300	4	Calculus I	Y			
MTH 2310	4	Calculus II	Y			
MTH 2320	4	Calculus III	Y			
MTH 2330	3	Differential Equations	Y			
MTH 2350	4	Differential Equations with Matrices	Y			
MTH 2410	3	Mathematical Concepts for Teachers I	Y	L		
MTH 2430	3	Mathematical Concepts for Teachers II	Y	L		
MTH 2450	3	Mathematical Concepts for Teachers III	Y	L		
MTH 2530	3	Matrix Algebra	Y			
MTH 2570	3	Discrete Math for Computing	Y			
MTH 2800	3	Writing Mathematical Proofs	Y			
MTH 3040	4	Advanced Engineering Mathematics	Y			MTH5040
MTH 3060	3	Mathematical Modeling	Y			MTH6060
MTH 3100	3	Mathematical Modeling in the Behavioral Sciences	Y	L		
MTH 3140	3	Introduction to Mathematical Software	Y			
MTH 3160	4	Numerical Methods	Y			MTH5160, CS3160, CS5160
MTH 3320	3	Complex Variables	Y	S		MTH5320
MTH 3330	3	Partial Differential Equations	Y			MTH5330
MTH 3430	4	Algebra and Functions for Middle School Teachers	Y	L		MTE6430
MTH 3450	3	Geometry for Middle School Teachers	Y	L		MTE6450
MTH 3480	3	Concepts in Calculus for Middle School Teachers	Y	L		MTE6480
MTH 3990	var	Selected Topics	Y			
MTH 4070	3	Optimization Techniques	Y			MTH6070
MTH 4100	3	Theoretical Foundations of Computing	Y			CS4100,CS6100,MTH6100
MTH 4150	3	Introduction to Scientific Computation	Y			MTH6150
MTH 4160	3	Matrix Computations	Y			

MTH 4190	3	Cryptography & Data Security	Y			
MTH 4310	3	Real Variables I	Y			
MTH 4320	3	Real Variables II	Y			
MTH 4400	3	History of Mathematics	Y	L		
MTH 4460	4	Problem Solving and Mathematical Modeling for Middle School Teachers	Y	L		
MTH 4510	3	Introduction to Modern Algebra I	Y			
MTH 4520	3	Introduction to Modern Algebra II	Y			
MTH 4550	3	Linear Algebra	Y			
MTH 4560	3	Coding Theory	Y			
MTH 4570	4	Combinatorics and Graph Theory	Y			
MTH 4710	3	Geometry	Y			
MTH 4810	3	Applied Mathematics I	Y			
MTH 4820	3	Applied Mathematics II	Y			
MTH 4880	var	Independent Reading	Y			
MTH 4920	3	Mathematics Seminar	Y			
MTH 4990	var	Selected Topics	Y			
MTH 5040	4	Advanced Engineering Mathematics	Y			
MTH 5160	4	Numerical Methods	Y			
MTH 5320	3	Complex Variables	Y			
MTH 5330	3	Partial Differential Equations	Y			
MTH 5990	var	Selected Topics	Y			
MTH 6060	3	Mathematical Modeling	Y			
MTH 6070	3	Optimization Techniques	Y			
MTH 6100	3	Theoretical Foundations of Computing	Y			
MTH 6140	3	Intro to Mathematical Software	Y			
MTH 6150	3	Introduction to Scientific Computation	Y			
MTH 6160	3	Matrix Computations	Y			
MTH 6190	3	Cryptography & Data Security	Y			
MTH 6310	3	Real Variables I	Y			
MTH 6320	3	Real Variables II	Y			
MTH 6510	3	Introduction to Modern Algebra I	Y			
MTH 6520	3	Introduction to Modern Algebra II	Y			
MTH 6550	3	Linear Algebra	Y			
MTH 6560	3	Coding Theory	Y			
MTH 6570	4	Combinatorics and Graph Theory	Y			
MTH 6710	3	Geometry	Y			
MTH 6810	3	Applied Mathematics I	Y			
MTH 6820	3	Applied Mathematics II	Y			
MTH 6880	var	Independent Reading	Y			
MTH 6990	var	Special Topics	Y			
MTH 7000	3	Principles of Instruction in Mathematics	Y			
MTH 7160	4	Numerical Analysis I	Y			
MTH 7170	4	Numerical Analysis II	Y			
MTH 7310	4	Real Analysis I	Y			
MTH 7320	4	Real Analysis II	Y			

MTH 7390	3	Complex Analysis	Y			
MTH 7510	4	Algebra I	Y			
MTH 7520	4	Algebra II	Y			
MTH 7710	3	Topology	Y			
MTH 7770	4	Applied Analysis	Y			
MTH 7890	var	Continuing Registration	Y			
MTH 7920	var	Special Problems	Y			
MTH 7990	var	Selected Topics	Y			
MTH 8000	1	Graduate Seminar	Y			
MTH 8300	var	Topics in Analysis	Y			
MTH 8500	var	Topics in Algebra	Y			
MTH 8700	var	Topics in Geometry	Y			
MTH 8990	var	Graduate Research	Y			
STT 1600	4	Statistical Concepts	Y	L		
STT 2640	3	Elementary Statistics I	Y	L		
STT 3420	3	Probability and Statistics for Middle School Teachers	Y	L		
STT 3600	3	Applied Statistics I	Y	L		
STT 3610	3	Applied Statistics II	Y	L		
STT 3630	3	Engineering Statistics	Y	L		
STT 3860	var	Independent Reading in Statistics and Probability	Y	L		
STT 3960	var	Topics in Statistics and Probability	Y	L		
STT 4110	3	Applied Time Series	Y	L		
STT 4210	3	Sampling Design	Y	L		
STT 4240	3	Statistical Quality Control and Improvement	Y	L		
STT 4260	3	Survival Analysis and Reliability	Y	L		
STT 4300	3	Biostatistics	Y	L		
STT 4610	4	Theory of Statistics I	Y	L		
STT 4620	4	Theory of Statistics II	Y	L		
STT 4640	3	Computational Statistics	Y	L		
STT 4660	4	Statistical Methods I	Y	L		
STT 4670	4	Statistical Methods II	Y	L		
STT 4860	var	Independent Reading in Statistics and Probability	Y	L		
STT 4920	3	Statistics Seminar	Y			
STT 4960	var	Topics in Statistics and Probability	Y	L		
STT 5200	3	Biostatistics for Health Professionals	Y			
STT 5600	3	Applied Statistics I	Y	L		
STT 5610	3	Applied Statistics II	Y	L		
STT 5860	var	Independent Reading in Statistics and Probability	Y	L		
STT 5910	0.5	Advanced Statistical Methods for Nursing Research	Y	L		
STT 5960	var	Topics in Statistics and Probability	Y	L		
STT 6110	3	Applied Time Series	Y	L		
STT 6210	3	Sampling Design	Y	L		
STT 6240	3	Statistical Quality Control and Improvement	Y	L		
STT 6260	3	Survival Analysis and Reliability	Y	L		

STT 6300	3	Biostatistics	Y	L		
STT 6460	4	Statistical Methods for Engineers	Y	L		
STT 6610	4	Theory of Statistics I	Y	L		
STT 6620	4	Theory of Statistics II	Y	L		
STT 6640	3	Computational Statistics	Y	L		
STT 6660	4	Statistical Methods I	Y	L		
STT 6670	4	Statistical Methods II	Y	L		
STT 7020	3	Applied Stochastic Processes	Y	L		
STT 7140	3	Statistical Modeling for Environmental Data	Y	L		
STT 7400	3	Categorical Data Analysis	Y	L		
STT 7440	3	Applied Multivariate Analysis	Y	L		
STT 7620	3	Advanced Topics in Linear Models	Y	L		
STT 7670	3	Applied Regression Analysis	Y	L		
STT 7860	var	Independent Reading in Statistics and Probability	Y	L		
STT 7910	var	Statistical Consulting	Y	L		
STT 7960	var	Topics in Statistics and Probability	Y	L		
STT 8990	var	Graduate Research	Y	L		