

## Department of Mathematics and Statistics Fall 2016 Course Offerings

Course	Course Title	Mathematics Major		Statistics Major		
		Teaching Licensure	Non-Teaching	Revised Program	Applied Track	Math Track
Math 235	Calculus I	■	■	■	■	■
Math 236	Calculus II	■	■	■	■	■
Math 237	Calculus III	■	■	■	■	■
Math 238	Linear Algebra with Differential Equations			▲ <sub>1</sub>	▲ <sub>1</sub>	▲ <sub>1</sub>
Math 245	Discrete Mathematics	■	■			■
Math 248	Computers and Numerical Algorithms	■	■	▲ <sub>2</sub>		
Math 297	Putnam Exam Preparation					
Math 300	Linear Algebra	■	■	▲ <sub>1</sub>	▲ <sub>1</sub>	▲ <sub>1</sub>
Math 304	Principles of Algebra					
Math 305	Principles of Geometry					
Math 306	Principles of Analysis					
Math 307	Principles of Probability and Statistics					
Math 309	SAS Programming and Data Management			▲ <sub>2</sub>	■	■
Math 315	The Real Number System	▲ <sub>3</sub>	●			
Math 318	Introduction to Probability and Statistics	■	■	■	■	■
Math 321	Analysis of Variance and Experimental Design		●	■	■	■
Math 322	Applied Linear Regression		●	■	■	■
Math 325	Survey Sampling Methods		●	●	■	
Math 327	Categorical Data Analysis		●	■	●	
Math / Fin 328	Time Series Analysis		●	●	●	●
Math 336	Elementary Differential Equations	■	■			
Math 340	Mathematical Modeling I		●			
Math 360	Complex Variables with Applications		●			
Math 410	Advanced Calculus I	■	■	●		■
Math 421	Applied Multivariate Statistical Analysis		●	■	■	■
Math 426	Probability and Mathematical Statistics I		●	■	■	■
Math 430	Abstract Algebra I	▲ <sub>4</sub>	■			
Math 433E	Survey of Modern Algebra	▲ <sub>4</sub>				
Math 435	Introduction to Topology		●			
Math 440	Fourier Analysis and Partial Differential Equations		●			
Math / CS 449	Numerical Analysis for Differential Equations		●			
Math 475	Fundamental Concepts of Geometry	■	●			

■ Required courses.    ▲<sub>1</sub> Math 238 or Math 300 is required.    ▲<sub>2</sub> Math 248 or Math 309 is required.    ▲<sub>3</sub> Math 310 or Math 315 is required.  
 ● Elective courses.    ● Courses that count towards the major.    ▲<sub>4</sub> Math 430 or Math 433E is required; Math 433E is recommended.