

DEPARTMENT OF MATHEMATICS AND STATISTICS  
FALL 2018 COURSE OFFERINGS

Course	Course Title	Sec Ed	Math	Stat
Math 235	Calculus I (4 cr)	◆	◆	◆
Math 236	Calculus II (4 cr)	◆	◆	◆
Math 237	Calculus III (4 cr)	◆	◆	◆
Math 238	Linear Algebra with Differential Equations (4 cr)			▲ <sub>1</sub>
Math 245	Discrete Mathematics (3 cr)	◆	◆	
Math 248	Computers and Numerical Algorithms (4 cr)	◆	◆	▲ <sub>2</sub>
Math 300	Linear Algebra (3 cr)	◆	◆	▲ <sub>1</sub>
Math 304	Principles of Algebra (3 cr)			
Math 305	Principles of Geometry (3 cr)			
Math 306	Principles of Analysis (3 cr)			
Math 307	Principles of Probability and Statistics (3 cr)			
Math 309	SAS Programming and Data Management (3 cr)			▲ <sub>2</sub>
Math 310	Elementary Theory of Numbers (3 cr)	▲ <sub>3</sub>	◆	
Math 318	Introduction to Probability and Statistics (4 cr)	▲ <sub>4</sub>	▲ <sub>4</sub>	▲ <sub>4</sub>
Math 321	Analysis of Variance and Experimental Design (3 cr)		◆	◆
Math 322	Applied Linear Regression (3 cr)		◆	◆
Math 325	Survey Sampling Methods (3 cr)		◆	◆
Math 327	Categorical Data Analysis (3 cr)		◆	◆
Math/Fin 328	Time Series Analysis (3 cr)		◆	◆
Math 336	Elementary Differential Equations (3 cr)	◆	◆	
Math 337	Methods of Applied Calculus (3 cr)		◆	
Math 340	Mathematical Modeling I (3 cr)		◆	
Math 368E	Computational Statistics (3 cr)		◆	◆
Math 410	Advanced Calculus I (3 cr)	◆	◆	◆
Math 421	Applied Multivariate Statistical Analysis (3 cr)		◆	◆
Math 426	Probability and Mathematical Statistics I (3 cr)		◆	◆
Math 430	Abstract Algebra I (3 cr)	◆	◆	
Math 435	Introduction to Topology (3 cr)		◆	
Math 440	Fourier Analysis and Partial Differential Eqns (3 cr)		◆	
Math 475	Fundamental Concepts of Geometry (3 cr)	◆	◆	
Math 485	Knot Theory (3 cr)		◆	

- ◆ 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.
- ▲<sub>4</sub> May take the Math 229/329 sequence instead. Math 229 (3 cr) will be offered in Spring 2019, followed by Math 329 (3 cr) in Fall 2019. Consult your academic advisor.
- ◆ Elective courses.
- ◆ Courses that count towards the major.