

American University
Department of Mathematics and Statistics
Schedule of Upper Level Mathematics and Statistics Courses
Revised May 2008

Mathematics Courses	Statistics Courses
Every Semester (except summers)	
MATH 310 Linear Algebra	STAT 514 Statistical Methods
MATH 313 Calculus III	STAT 798 Statistical Research and Consulting
Every Fall	
MATH 321 Differential Equations	STAT 515 Regression
MATH 501 Probability	STAT 525 Statistical Software
MATH 512 Introduction to Algebra	STAT 530 Mathematical Statistics I
MATH 520 Introduction to Analysis	STAT 600 Advanced Mathematical Statistics
Fall of Odd-Numbered Years	
MATH 505 Logic	STAT 520 Applied Multivariate Analysis
MATH 540 Topology	
Fall of Even-Numbered Years	
MATH 510 Geometry	STAT 519 Nonparametric Statistics
MATH 515 Number theory	
MATH 560 Numerical Analysis	
Every Spring	
MATH 503 Foundations of Higher Mathematics	STAT 302 Intermediate Statistics
MATH 550 Complex Analysis	STAT 516 Design of Experiments
	STAT 524 Data Analysis
	STAT 531 Mathematical Statistics II
	STAT 616 Generalized Linear Models
Spring of Even-Numbered Years	
MATH 521 Measure Theory	STAT 502 Introduction to Mathematical Statistics
MATH 570 History of Mathematics	STAT 521 Analysis of Categorical Data
MATH 601 Harmonic Analysis	
Spring of Odd-Numbered Years	
MATH 500 Advanced Calculus of Several Variables	STAT 522 Time Series Analysis
MATH 513 Rings and Fields	STAT 584 Introduction to Stochastic Processes
MATH 551 Partial Differential Equations	STAT 601 Topics in Advanced Probability/Statistics
Three-Year Rotations	
	STAT 510 Theory of Sampling I (Fall 2009, 2012, 2015...)
	STAT 511 Theory of Sampling II (Spring 2010, 2013, 2016...)
Every Summer	
	STAT 514 Statistical Methods
	STAT 515 Regression
	STAT 517 <i>Spec. Topics in Statistical Methodology*</i>
	<i>*(summer of odd years)</i>