Department of Mathematics and Physics
Four-year Mathematics Graduate Courses Schedule (Fall 2016 – Summer I 2020)

Course # and Title	F 16	Sp 17	Sr I 17	F 17	Sp 18	Sr I 18	F 18	Sp 19	Sr I 19	F 19	Sp 20	Sr I 20
Required courses												
MATH 5305 Real Analysis I[1.5]		3					3				3	
MATH 5320 Complex Variables I[1]		3			3			3			3	
MATH 5330 Abstract Algebra I[1]	3			3			3			3		
MATH 5365 Topology[1.5]	3				3					3		
MATH 5370 Mathematical Modeling[1.5]				3				3				
MATH 5375 Probability[2]		3						3				
STAT 5390 Case Seminar in Applied Statistics[2]					3						3	
Three semester hours from:												
MATH 5191 Mathematics Seminar[2]				1						1		
MATH 5252 Internship in Mathematics												
MATH 5290 Research Methods in Mathematics[2]				2						2		
Thesis												
MATH 5398 Thesis I	3	3	3	3	3	3	3	3	3	3	3	3
MATH 5399 Thesis II	3	3	3	3	3	3	3	3	3	3	3	3
Elective courses												
MATH 5303 Number Theory I					3							
MATH 5306 Linear Algebra				3								
MATH 5312 Functional Analysis I							3					
MATH 5315 Combinatorics									3			
MATH 5316 Graph Theory											3	
MATH 5340 Differential Geometry								3				
MATH 5350 Ordinary Differential Equations I											3	
MATH 5360 Partial Differential Equations	3											
MATH 5367 Numerical Methods for PDE I		3										
MATH 5355 Advanced Topics in Mathematics	On demand											
STAT 5300 - Categorical Data Analysis		3									3	
STAT 5305 - Applied Data Analysis				3								
STAT 5306 - Generalized Linear Models w Appl		3									3	
STAT 5310 - Statistical Models for Clinical Trials					3							
STAT 5322 - Theory of Sampling and Surveys				3								
STAT 5327 - Computational Models in Statistics					3							
STAT 5328 - Regression & Applied Series Models								3				
STAT 5329 - Analysis of Variance in Exper D M							3					
STAT 5340 - Quality Control and Improvement							3					
STAT 5341 - Applied Multivariate Analysis								3				
STAT 5387 - Statistical Models for Spatial Data										3		