

Upper-Level Mathematics 2020-21

Elective Courses		pre-req(s)	Autumn 2020	Winter 2021	Spring 2021
MATH 17500	Basic Number Theory	16300 or 15910	TTh 11:00		
MATH 17600	Basic Geometry	16300 or 15910		TTh 11:00	
MATH 21100	Basic Num. Analysis	20000 or 20400			MW 1:30--2:50 Massat
MATH 21200	Adv. Num. Analysis	20500	TTh 3:30 DuPont		
MATH 23500	Markov Chains, etc.	STAT 24400, 25100	TTh 11:00 Lawler		MWF 9:30 Gwynne
MATH 23700	Intro. To Modelling		TTh 12:30 Weinberger		
MATH 24200	Algebraic Number Th.	25500			MWF 12:30
MATH 24400	Intro. To Alg. Geom.	25500		TTh 11:00	
MATH 26200	Point-Set Topology	20300 and 25400	MWF 12:30	TTh 11:00	
MATH 26300	Intro. To Alg. Topology	26200			TTh 12:30
MATH 26500	Intro. To Riemannian Geometry	20500		MWF 10:30	
MATH 26700	Intro. To Reprn. of Finite Gps	25500	MWF 12:30 Farb		
MATH 27000	Basic Complex Variables	20500	TTh 11:00 MWF 11:30	TTh 9:30	TTh 9:30
MATH 27100	Measure and Integration	20500		TTh 9:30	
MATH 27200	Basic Functional Analysis	27100 or 20900			TTh 9:30
MATH 27300	Basic Theory of ODEs	20500	MWF 12:30 TTh 12:30	TTh 11:00 MWF 11:30 Smart	
				MWF 12:30 Smart	
MATH 27400	Intro. To Diff. Manifolds	26200			MWF 10:30
MATH 27500	Basic Theory of PDEs	27000 and 27300			TTh 11:00 Silvestre
MATH 27600	Dynamical Systems	20900 or 27100		TTh 12:30 Wilkinson	
MATH 27700	Mathematical Logic I	25400	TTh 12:30 Malliaris?		
MATH 27800	Mathematical Logic II	27700		TTh 12:30 Hirschfeldt	
MATH 28130	Honors Discrete Mathematics	16300 or 15910	MWF 9:30 Razborov		
		by consent			
Required Courses in the Mathematics Major					
MATH 15910	Intro. To Proofs in Analysis	Math 15300 or 13300	various	MWF 12:30	various
MATH 20250	Abstract Linear Algebra	Math 15910 or 16300	various	various	various
MATH 203-4-5	Analysis	Math 15910 or 16300	various+Eskin	various	various
MATH 207-8-9	Honors Analysis	invitation	MWF 10:30 Neves	MWF 10:30	MWF 10:30 Csornyei
MATH 254-5	Algebra	Math 15910 or 16300	MWF 10:30 MWF 11:30	MWF 10:30 MWF 11:30	
				MWF 12:30	MWF 12:30
MATH 257-8-9	Honors Algebra	Math 15910 or 16300	MWF 10:30 F. Calegari MWF 11:30	MWF 10:30 MWF 11:30	MWF 10:30 F. Calegari MWF 11:30
First Year Graduate Courses					
MATH 31200	Grad Analysis I	permission	MWF 9:30 Souganidis		
MATH 31300	Grad Analysis II	permission		Silvestre	
MATH 31400	Grad Analysis III	permission			Smart
MATH 31700	Grad Topology I	permission	MWF 11:30 D. Calegari		
MATH 31800	Grad Topology II	permission		Neves	
MATH 31900	Grad Topology III	permission			TTh 11 Wilkinson
MATH 32500	Grad Algebra I	permission	MWF 12:30 Ginzburg		
MATH 32600	Grad Algebra II	permission		TBA	
MATH 32700	Grad Algebra III	permission			MWF 10:30 Kato