Proposed PMATH course offerings over the next several years (subject to change) November 2024																		
Course\Term	**F'24**	**W'25**	**S'25**	**F'25**	**W'26**	**S'26**	**F'26**	**W'27**	**S'27**	**F'27**	**W'28**	**S'28**	**F'28**	**W'29**	**S'29**	**F'29**	**W'30**	**S'30**
PMATH 320--Euclidean Geometry						●						●						●
PMATH 321--Non-Euclidean Geometry			●						●						●			
PMATH 330--Introduction to mathematical logic (S & F Online)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PMATH 331--Applied real analysis	●	●		●	●		●	●		●	●		●	●		●	●	
PMATH 332--Applied complex analysis		●	●		●	●		●	●		●	●		●	●		●	●
PMATH 333-Introduction to Real Analysis	●	●		●	●		●	●		●	●		●	●		●	●	
PMATH 334--Introduction to rings and fields		●			●			●			●			●			●	
PMATH 336--Introduction to group theory	●		●	●		●	●		●	●		●	●		●	●		●
PMATH 340--Elementary number theory	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PMATH 343--Intro to the math. of quantum info		●			●			●			●			●			●	
PMATH 347--Groups and Rings	●		●	●		●	●		●	●		●	●		●	●		●
PMATH 348--Fields and Galois Theory		●	●		●	●		●	●		●	●		●	●		●	●
PMATH 351--Real analysis		●	●		●	●		●	●		●	●		●	●		●	●
PMATH 352--Complex analysis		●	●		●	●		●	●		●	●		●	●		●	●
PMATH 365--Differential geometry		●			●			●			●			●			●	
PMATH 367--Topology	●			●			●			●			●			●		
PMATH 370--Chaos and fractals					●						●						●	
PMATH 432/632--Mathematical Logic	●			●			●			●			●			●		
PMATH 433/733--Model Theory		●						●						●				
PMATH 434/734--Set theory					●						●						●	
PMATH 440/740--Analytic number theory				●						●						●		
PMATH 441/741--Algebraic number theory		●				●		●				●		●				●
PMATH 445/745--Representations of Finite Groups				●						●						●		
PMATH 446/646--Introduction to Commutative Algebra	●			●			●			●			●			●		
PMATH 450/650--Measure Theory	●		●	●		●	●		●	●		●	●		●	●		●
PMATH 453/753--Functional analysis	●			●			●			●			●			●		
PMATH 454--Fourier Analysis					●			●			●			●			●	
PMATH 455--Convex Analysis and Geometry				●						●						●		
PMATH 457--Topological Dynamics and Ergodic Theory							●						●					
PMATH 464/764--Algebraic Geometry			●		●				●		●				●		●	
PMATH 465/665--Smooth Manifolds	●			●			●			●			●			●		
PMATH 467/667--Algebraic topology		●			●			●			●			●			●	
PMATH 810--Banach Algebras and Operator Theory		●						●						●				
PMATH 833--Harmonic Analysis					●						●						●	
PMATH 863--Introduction to Lie Groups and Lie Algebras		●			●			●			●			●			●	
PMATH 868--Connections and Riemannian Geometry		●			●			●			●			●			●	
Course/Term	**F'24**	**W'25**	**S'25**	**F'25**	**W'26**	**S'26**	**F'26**	**W'27**	**S'27**	**F'27**	**W'28**	**S'28**	**F'28**	**W'29**	**S'29**	**F'29**	**W'30**	**S'30**