Proposed PMATH course offerings over the next several years (subject to change) **January 2022**

Course\Term	W '20	S '20	F '20	W '21	S '21	F'21	W'22	S'22	F'22	W'23	S'23	F'23	W'24	S'24	F'24	W'25	S'25	F'25	W'26	S'26	F'26	W'27	S'27
PMATH 320--Euclidean Geometry		●						●						●						●			
PMATH 321--Non-Euclidean Geometry					●						●						●						●
PMATH 330--Introduction to mathematical logic (Spring 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 (Formerly 399)--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 370--Chaos and fractals	●						●						●						●				
PMATH 432/632--First order logic and computability	●						●								●			●			●		
PMATH 433/733--Model theory and set theory			●						●							●						●	
PMATH 440/740--Analytic number theory						●						●						●					
PMATH 441/641--Algebraic number theory		●		●				●		●				●		●				●		●	
PMATH 445/745--Representations of Finite Groups			●			●			●				●			●			●			●	
PMATH 446/646--Introduction to Commutative Algebra	●			●			●			●		●			●			●			●		
PMATH 450/650--Lebesgue integration and Fourier analysis	●	●		●	●	●	●	●	●		●	●		●	●		●	●		●	●		●
PMATH 451/651--Measure and integration	●		●	●		●	●		●	●		●	●		●	●		●	●		●	●	
PMATH 453/753--Functional analysis			●			●			●			●			●			●			●		
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	W '20	S '20	F '20	W '21	S '21	F '21	W '22	S '22	F '22	W '23	S '23	F '23	W '24	S '24	F '24	W '25	S '25	F '25	W '26	S '26	F '26	W '27	S '27