

Proposed PMATH undergraduate course offerings over the next several years (subject to change)														April 2018				
Course\Term	F '17	W '18	S '18	F '18	W '19	S '19	F '19	W '20	S '20	F '20	W '21	S '21	F '21	W '22	S '22	F '22	W '23	S '23
PMATH 320--Euclidean Geometry			•						•						•			
PMATH 321--Non-Euclidean Geometry						•						•						•
PMATH 330--Introduction to mathematical logic	•		•	•		•	•		•	•		•	•		•	•		•
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 399 (343)--Intro to the mathematics 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--First order logic and computability		•						•						•				
PMATH 441--Algebraic number theory			•		•				•		•				•		•	
PMATH 446--Introduction to Commutative Algebra		•			•			•			•			•			•	
PMATH 450--Lebesgue integration and Fourier analysis		•	•		•	•		•	•		•	•		•	•		•	•
PMATH 451--Measure and integration	•	•		•	•		•	•		•	•		•	•		•	•	
PMATH 465--Geometry of Manifolds	•			•			•			•			•			•		
PMATH 467--Algebraic topology					•						•						•	
<b>Introductory Graduate Courses of Possible Interest to Undergraduates</b>																		
PMATH 733--Model theory and set theory				•						•							•	
PMATH 740--Analytic number theory	•						•						•					
PMATH 745--Representations of Finite Groups	•			•			•			•			•				•	
PMATH 753--Functional analysis	•			•			•			•			•				•	
PMATH 764--Algebraic Geometry		•				•		•				•		•				•
PMATH 863--Introduction to Lie groups and Lie algebras					•						•						•	
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