

Graduate Courses – Fall 2018

(as of 09/12/18)

Course #	Title	Instructor	Schedule	First Meeting
MAT 500*	Effective Mathematical Communication	A. Menezes	M/W 4:00-5:20 p.m. Fine 110	September 17
MAT 517	Topics in Arithmetic Geometry: <i>Heights of Algebraic Cycles</i>	S.W. Zhang	M/W 1:30-2:50 p.m. Fine 601	September 12
MAT 519	Topics in Number Theory: <i>Introduction to Ratner's Theorems in Homogeneous Dynamics</i>	I. Khayutin	T/TH 11:00 a.m.-12:20 p.m. Fine 601	September 13
MAT 522/ APC 522	Introduction to PDE	A. Ionescu	T/TH 3:00-4:20 p.m. Fine 601	September 13
MAT 526	Topics in Geometric Analysis and General Relativity: <i>Instability in general relativity</i>	M. Dafermos	T/TH 11:00 a.m.-12:20 p.m. Fine 801	September 13
MAT527	Topics in Differential Equations: <i>Nonlinear iterations for partial differential equations</i>	C. De Lellis	T/TH 9:30-10:50 a.m. Fine 401	September 13
MAT 528	Topics in Nonlinear Analysis: <i>Topics in general relativity</i>	S. Klainerman	M/W 1:30-2:50 p.m. Fine 1001	September 12
MAT 529	Topics in Analysis: <i>Interpolation and approximation</i>	C. Fefferman	T/TH 1:30-2:50 p.m. Fine 1001	September 13
MAT 547	Topics in Algebraic Geometry: <i>Introduction to ℓ-adic etale cohomology and some of its applications</i>	N. Katz	T (only) 1:30-4:20 p.m. Fine 214	September 18
MAT 549	Topics in Algebra: <i>Moduli varieties of general type</i>	J. Kollar	T/TH 1:30-2:50 p.m. Fine 601	September 13
MAT 566	Topics in Differential Topology: <i>Symplectic methods in low-dimensional topology</i>	P. Ozsvath	T/TH 11:00 a.m.-12:20 p.m. Fine 1201	September 13
MAT 567	Topics in Low Dimensional Topology: <i>Smooth Surfaces in 4-manifolds</i>	D. Gabai	TH (only) 1:30-4:20 p.m. Fine 401	September 13
MAT 579	Topics in Discrete Mathematics: <i>Induced subgraphs</i>	P. Seymour	T/TH 4:00-5:20 p.m. Fine 224	September 13

* **MAT500 is offered for SECOND-YEAR math grad students only**, unless a student is advised to attend as *make-up* and/or to satisfy the RCR training requirement. If you have any questions, please see Ana Menezes (amenezes@math.princeton.edu) or Jill LeClair (leclair@princeton.edu)

NOTE: Detailed course descriptions can be found on the Registrar website: <https://registrar.princeton.edu/course-offerings>