

## Graduate Courses – Fall 2017

(as of 09/18/17)

Course #	Title	Instructor	Schedule	First Meeting
MAT 500*	Effective Mathematical Communication	C. Taylor	M/W 3:30-4:50 p.m. Fine 322	September 18
MAT 511	Class Field Theory	F. Castella	M/W 3:30-4:50 p.m. Fine 601	September 18
MAT 517	Topics in Arithmetic Geometry: <i>Arithmetic Gan-Gross-Prasad conjecture</i>	S.W. Zhang	M/W 2:00-3:20 p.m. Fine 801	September 13
MAT526	Topics in Geometric Analysis and General Relativity: <i>The geometry and analysis of black hole spacetimes in general relativity</i>	M. Dafermos	T/TH 11:00 a.m.-12:20 p.m. Fine 801	September 14
MAT 528	Topics in Nonlinear Analysis: <i>Topics in general relativity</i>	S. Klainerman	T/TH 1:30-2:50 p.m. Fine 1201	September 20
MAT 529	Topics in Analysis: <i>Fluid dynamics and related equations</i>	C. Fefferman	T/TH 1:30-2:50 p.m. Jadwin A08	September 19
MAT 547	Topics in Algebraic Geometry: <i>Arithmetic algebraic geometry</i>	N. Katz	T/TH 1:30-2:50 p.m. Fine 322	September 14
MAT 558	Topics in Conformal and CR Geometry: <i>Recent developments in conformal geometry</i>	A. Chang	M/W 1:30-2:50 p.m. Fine 401	September 18
MAT 567	Topics in Low Dimensional Topology: <i>Symplectic techniques in low-dimensional topology</i>	P. Ozsvath	T/TH 11:00 a.m.-12:20 p.m. Fine 1201	September 14
MAT569	Topics in Topology: <i>Topology of 4-manifolds</i>	D. Gabai	TH 1:30-4:20 p.m. Fine 801	September 14
MAT 572/ APC 572	Topics in Combinatorial Optimization: <i>Introduction to combinatorial optimization</i>	P. Seymour	T/TH 4:00-5:20 p.m. Fine 224	September 19
MAT 587	Topics in Ergodic Theory: <i>Ergodic theory and dynamical systems</i>	Y. Sinai	M/W 1:30-2:50 p.m. Fine 1001	September 18

\* **MAT500 is offered for SECOND-YEAR math grad students only**, unless a student is advised to attend as *make-up* and/or to satisfy RCR Training. Questions? See Christine Taylor ([ctaylor@math.princeton.edu](mailto:ctaylor@math.princeton.edu)) or Jill LeClair ([leclair@princeton.edu](mailto:leclair@princeton.edu))