

## Upper-level math courses

### Department of Mathematics - Millersville University - Fall, 2015

#### Tentative Schedule of Upper-Level Math Courses

Course	Title	Offered
Math 301	History of Math	Fall and spring
Math 310	Math Proof	Fall and spring; even-numbered summers
Math 311	Calculus 3	Fall, spring, and summer
Math 322	Linear Algebra	Fall and spring; odd-numbered summers
Math 333	Probability and Statistics	Every semester, even-numbered summers
Math 335	Mathematical Statistics I	Every fall
Math 345	Abstract Algebra	Fall and spring; even-numbered summers
Math 353	Survey of Geometry	Every fall
Math 355	Transformational Geometry	Every spring, odd-numbered summers
Math 365	Ordinary Differential Equations	Fall and spring
Math 370	Operations Research	Offered infrequently/Independent study
Math 375	Numerical Analysis	Fall 2016 - then every spring beginning in 2018
Math 393	Number Theory	Odd-numbered springs; even-numbered summers
Math 395	Combinatorics	Odd-numbered falls
Math 419	Actuarial Problem Solving Seminar	Every spring
Math 422	Linear Algebra II	Even-numbered falls
Math 435	Mathematical Statistics II	Every spring
Math 445	Abstract Algebra II	Independent study
Math 457	Elementary Differential Geometry	Independent study
Math 464	Real Analysis	Fall and spring; even-numbered summers
Math 465	Real Analysis II	Independent study
Math 467	Partial Differential Equations	Spring 2016, Fall 2016 - then every fall
Math 471	Mathematical Modeling	At least one of 471, 472, 478 each year
Math 472	Financial Mathematics	At least one of 471, 472, 478 each year
Math 478	Topics: Applied Math	At least one of 471, 472, 478 each year
Math 483	Topology	Independent study
Math 535	Statistical Methods I	Every fall; odd-numbered summers
Math 536	Statistical Methods II	Every spring
Math 537	Statistical Problem Solving Seminar	Every spring
Math 566	Complex Variables	Independent study
Math 592	Graph Theory	Odd-numbered summers

#### Notes

Independent study/individualized instruction is at the discretion of instructors. Students should NOT assume that they will be able to do a given course by independent study/individualized instruction.

Summer courses may be cancelled if enrollment is low.