Math 596: Semigroups and Combinatorics Spring 2019 Lecture Schedule

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Below is a list of the topics we intend to cover, along with a rough time outline. Actual schedule is subject to change without notice. Last updated January 23, 2019.

\mathbf{Week}	Topic
1/23 - 1/25	Course Overview
1/28 - 2/1	Introduction to Numerical Semigroups
2/4 - 2/8	More on Numerical Semigroups
2/11 - 2/15	Quasipolynomial Functions
2/18 - 2/22	Polytopes
2/25 - 3/1	Face Lattice of Polytopes
3/4 - 3/8	Lattice Point Enumeration
	Ehrhart's Theorem
3/11 - 3/15	Numerical Semigroups and Polytopes
3/18 - 3/22	Enumerating Numerical Semigroups
	The Kunz Polyhedron
3/25 - 3/29	Review for Midterm Exam
	Midterm Exam: Thursday, March 28
4/1 - 4/5	Spring Break: No Class
4/8 - 4/12	Rational Generating Functions
4/15 - 4/19	Ehrhart Series of Polytopes
4/22 - 4/26	Hilbert Series of Numerical Semigroups
4/29 - 5/3	Affine Semigroups
5/6 - 5/9	Multivariate Quasipolynomials
5/16	Final Presentations: Tuesday, May 16