



**Department of Mathematics and Statistics**

**Dr. Jon McCammond**

UCSB

**Honors Week Speaker**

Advanced Talk

**Monday, April 20<sup>th</sup>, 2015**

4:00 – 5:00 pm, Adel Mathematics Bldg., Room 164

“The intrinsic geometry of groups”

Abstract: Geometric group theory was born in the late 1980s as an explosive blend of ideas from the more venerable subjects of combinatorial group theory and Riemannian geometry. In this talk I will describe the basic ideas and theorems of Gromov that lead to the founding of this new field. There are essentially no prerequisites for this talk. For example, a slight familiarity with fundamental groups and covering spaces is useful but not absolutely required.

Honors Talk

**Tuesday, April 21<sup>st</sup>, 2015**

4:00 – 5:00 pm, Adel Mathematics Bldg., Room 163

“Repetition and Insight”

Abstract: This talk will focus on a connected set of surprises and insights that arise through simple repetition and iteration: punching the [cos] button repeatedly on a calculator, continued fractions -- along with their connections to the golden ratio and the Fibonacci numbers, and continued square roots, with some mentions of Ramanujan, Chebyshev polynomials, and the Mandelbrot set thrown in along the way.

Algebra Combinatorics Geometry and Topology (ACGT) Seminar will meet Tuesday April 21<sup>st</sup>, 12:45 – 2:00 pm, AMB 164.

Applied Math Seminar (AMS) will meet Thursday April 23<sup>rd</sup>, 12:45 – 1:45pm, AMB 164. Alumni Visitor Joe Maurer gives Statistics talk over his PhD research at Oregon State.

Friday Afternoon Undergraduate Mathematics Seminar (FAMUS) will meet Friday April 24<sup>th</sup>, 3:00 – 4:00pm, AMB 164.