

## **Discrete Mathematics Seminar**

Time: Friday, 2 November 2012, 1:30-2:30 PM  
Room: 238 Derrick Hall  
Title: Introduction to Homological Algebra  
Speaker: Dr. Piyush Shroff, Mathematics Department

### Abstract:

Homological Algebra studies homology in a general algebraic setting. By and large, it is the study of homological functors. It arose around the middle of 20th century from algebraic topology in the study of the relation between the fundamental group of a topological space and the higher homotopy groups. In this talk I will describe some basic terminology with examples.

### Bio:

Piyush Shroff received his B.S. from MES Abasaheb Garware College, Pune, India and M.S. from University of Pune, India both in mathematics. He joined Texas A&M University in Fall 2007 and received his Ph.D. in August 2012 under the guidance of his advisor Dr. Sarah Witherspoon.