

# ***ALGEBRAIC GEOMETRY AND COMMUTATIVE ALGEBRA SEMINAR***

**Speaker: Brian Lehmann**  
**Boston College**



**Date:** Wednesday, January 23, 2019

**Time:** 3:00 PM

**Location:** 258 Hurley Hall

***Lecture Title:***

**Rational curves on prime Fano threefolds**

***Abstract***

I will describe how to classify all components of the moduli space of rational curves for "most" Fano threefolds of Picard rank 1. Our approach to this problem is motivated by Manin's Conjecture, and I will explain how the geometric invariants of Manin's Conjecture play a role in the proof. This is joint work with Sho Tanimoto.