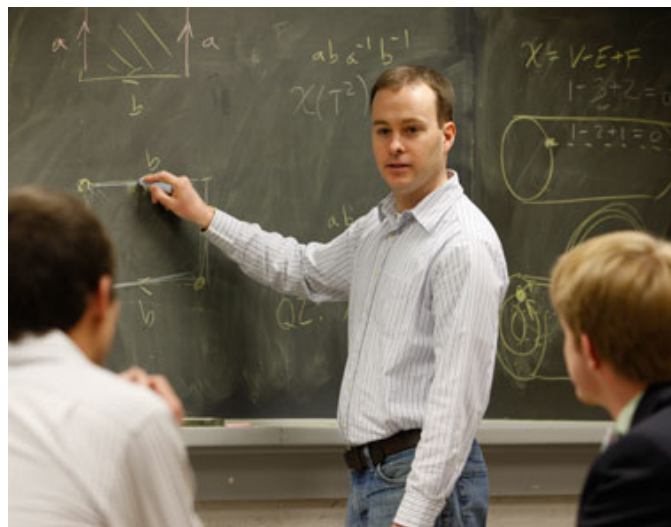# VCU Discrete Mathematics Seminar

The Illumination Conjecture and Fixed Points of Nonexpansive Maps

Dr Brian Lins
Hampden-Sydney College

Tuesday, Apr. 25
12:30-1:20
4145 Harris Hall

The Illumination Conjecture is a famous unsolved conjecture in combinatorial geometry. It predicts that the surface of any convex body in $\mathbb{R}^n$ can be completely illuminated by 2^n floodlights. Surprisingly, it has not been proven, even in 3-dimensions! This talk will focus on a new connection between this famous conjecture and the fixed points of nonexpansive maps.

For the DM seminar schedule, see:

http://www.people.vcu.edu/~clarson/DM-seminar.html