

## NUMBER THEORY & COMBINATORICS SEMINAR

Speaker: Dragos Ghioca  
Date: 2007 Oct 10  
Time: 3:00 to 3:50 pm  
Room: L-1114  
Title: Polynominal dynamics in number theory

### Abstract:

We study orbits of complex polynomials from the point of view of arithmetic geometry. In particular, we show that if two nonlinear complex polynomials have orbits with infinite intersection, then the polynomials have a common iterate.