

Mathematics Colloquium

Howard Masur

*UIC*

Hyperbolicity in  
Complexes of Curves

*Abstract: This represents joint work with Saul Schleimer. We suppose  $S$  is a surface, possibly with boundary. Associated to  $S$  is a combinatorial and metric object called the complex of curves. If  $S$  has boundary, there is the related arc complex, and if  $S$  is the boundary of a handlebody, then there is a the subcomplex of the complex of curves of meridian discs. Yair Minsky and I showed several years ago that the complex of curves is Gromov hyperbolic. In this talk I will discuss the hyperbolicity of the arc complex and the meridian disc complex.*

Friday, March 3

3:30-4:30 pm

204 Smith Hall

Please note special time and day