Monday, September 23	**Advisory Committee** 1:30pm – 2:30pm, McLeod Hall 400 **Putnam Team Meeting** 2:30pm – 3:20pm, McLeod Hall 459
Tuesday, September 24	**Geometry and Topology Seminar** 2:30pm – 3:30pm, zoom link TBA Speaker: Yulan Qing, University of Tennessee Title: Gromov Boundary Generalized
Wednesday, September 25	**Peer Mentor Meetings** 3:30pm – 4:20pm, McLeod Hall 459, 400 & 340 **Undergraduate Committee** 4:30pm – 5:20pm, McLeod Hall 400
Thursday, September 26	**Peer Mentor Meeting** 4:00pm – 4:50pm, McLeod Hall 400
Friday, September 27	**Analysis Reading Seminar** 11:30am – 12:30pm, McLeod Hall 459 Speaker: Salma Hasannejad Title: Basic Facts about Hypercyclic Operators, Part 3 **Counseling Center Presentation** 3:30pm – 4:30pm, McLeod Hall 459 Topics: Anxiety, Test Anxiety and Mental Health Resources

ABSTRACT

Geometry and Topology Seminar

Title: Gromov Boundary Generalized

Abstract: In this talk we discuss a generalization of the Gromov boundary. We first recall the construction of the sublinearly Morse boundary, which is a metrizable and QI-invariant topological space that enjoys many genericity properties. We then develop the quasi-redirecting boundary and show that it contains the sublinearly Morse boundary as a topological subspace and enjoys the added benefit of being compact in many cases. More specifically, We show that if X is an asymptotically tree-graded space with mono-directional subsets(ATM), then the quasi-redirecting boundary of X is a compact, metrizable and quasi-isometrically invariant topological space. Lastly, we show the Quasi-redirecting boundary of the Croke-Kleiner space contains a new and surprising set of QI-invariant directions. This is based on joint work with Kasra Rafi.