Knots with Seifert Fibered and Lens Space Surgeries
Presented by Professor Brandy Guntel, University of Texas at Austin

Abstract
Given a knot in a 3-manifold, one can obtain a new 3-manifold by removing a neighborhood of the knot and refilling the empty space created. This process, called Dehn surgery, is a great way of understanding 3-manifolds, which is a major goal of low dimensional topology. In this talk, I will discuss some of the intricacies of Dehn surgery as well as some problems in this area I am considering.