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Geodesics on Surfaces, as Knots.

In this talk we will consider some topological properties of closed geodesics on a hyperbolic surface. The geodesics can be lifted to the three dimensional unit tangent bundle of the surface, and we will discuss their knot properties therein. In particular we will prove that every such geodesic is a prime knot. Time permitting, we will also describe one of the main tools to study these geodesics, the Birman-Williams templates.