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**Laura Taalman\*** ([laurataalman@gmail.com](mailto:laurataalman@gmail.com)). *3D-printed research: Combining mathematics and art to introduce students to knot theory.*

In this talk we will discuss a semester-long mathematics course in which students created artistic 3D-printed models of various knot conformations as a way to explore knot-theoretical properties and current knot theory research. The artistic side of this project enabled strong collaboration between both early math students and upper-level math students, as well as between students with and without prior design experience. The project encouraged an exploration of shape and form both functionally and in terms of known knot classifications. The end result of this course was a set of fifteen 3D-printed knot models, each of which illustrates a special property or form of knots. (Received August 30, 2014)