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Debra K. Borkovitz* (dborkovitz@wheelock.edu). *Math Through Crochet, Quilts, and Temari: A Liberal Arts Math Course.*

Math Through Crochet, Quilts, and Temari is a course designed to appeal both to students who like crafts and are filling a math requirement and as an elective for Math for (Elementary) Teaching majors. I've taught it once and plan to teach it again this spring. The course meets MWF, and Fridays are craft days that aim for a quilting bee vibe, where students can bring their friends, and other members of the college community help teach the crafts. Some math topics included are alternative renderings of traditional elementary and high school math topics, such as the relationship between the circumference and volume of a sphere; pi; latitude/longitude and spherical coordinates; and exponential and trigonometric functions. Other topics are geometric topics often connected with the crafts, such as tessellations, polyhedra, symmetry, and some spherical and hyperbolic geometry. The craft projects include several temari balls (embroidered spheres), amigurumi (little crocheted stuffed animals and other figures), and hyperbolic plane models. In the talk I'll focus especially on aspects of the course that are different from some of the published accounts of using crafts in math classes. (Received September 20, 2016)