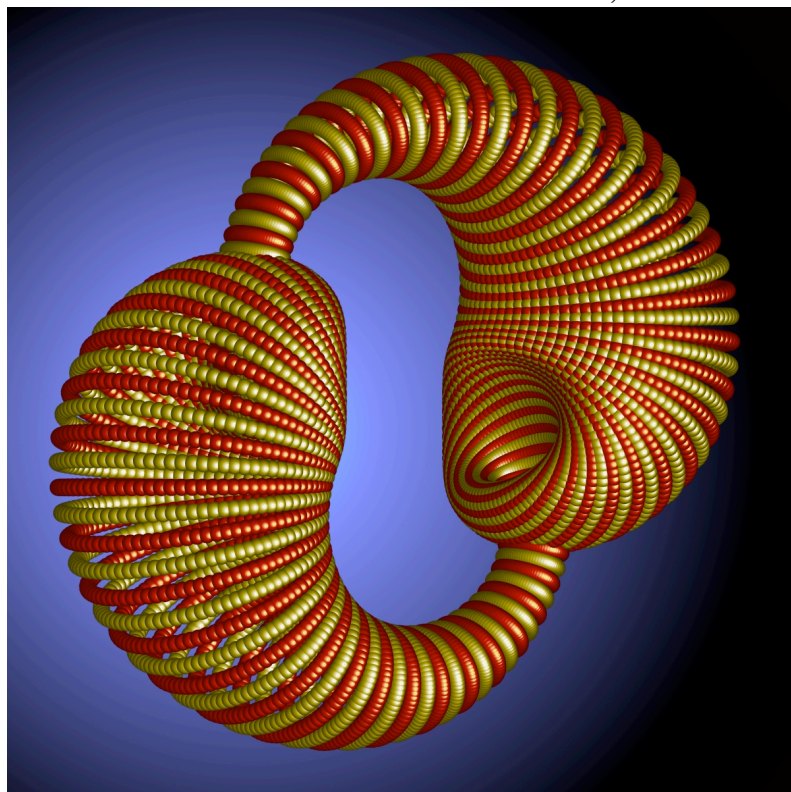# Math 1020/FA 1020
Math In Art

11:30 - 12:45 AM
Tuesdays & Thursdays
205 Armes

Instructors
Sasho Kalajdzievski, Math Part
Clint Enns, Art Part

Textbook: *Math and Art: An Introduction to Visual Mathematics* by Sasho Kalajdzievski and R. Padmanabhan. [**Note:** all of the royalties for this book sold at the U of M bookstore go back to students through scholarship funds.]

The main themes of study include: golden mean, golden rectangles, Fibonacci spirals, symmetries and other organizing principles, frieze patterns, wall paper groups, tilings & tessellations, fractals, string art and conics, perspective drawing, Platonic solids and regular polyhedra, Escher-style hyperbolic art, and isotopy and homotopy of topological objects.

Scheme of Evaluation

Art projects (format, deadline to be determined by Clint Enns)	40%
One Mid-Term Exam (to be set by Sasho Kalajdzievski)	25%
Final Exam in December (2 hours, covers all topics, SK)	35%
Total	100%

MATH 1020 is not available to any student already holding a grade of "C" or better in any mathematics course with the exception of MATH 1010 or MATH 1190 or MATH 1191 (136.119). Not to be taken concurrently with any other mathematics courses with the exception of MATH 1010 or MATH 1190 or MATH 1191.