Possible CS 39 Course Project Topics:

Symmetry groups in Indian basketry.
Symmetry in contemporary art (sculpture).
Using symmetry to generate music.
A musical score on a Moebius band.
The symmetry of Chladni figures.
Symmetry in the layout of computer chips.
Symmetry in inorganic and organometallic compounds.
Symmetry and anti-symmetry in fashion.
Topology of knitwear.
Symmetry in traditional Chinese paper cuts.
The symmetry of viruses.
(Unusual) symmetries evolved in nature
Minimal-genus, maximal-symmetry surfaces that can embed a complete graph Kn.
Minimal-genus, maximal-symmetry surfaces that can embed a given mathematical knot.
Finding the genus of the Kepler-Poinsot polyhedra.
Archimedean polytopes in 4 dimensions (We will discuss the Platonic solids in class.).
Topology and urban connectivity (traffic)
Symmetry & topology of the maps underlying video games.
Topology and architecture.
A practical, usable Klein-bottle house.