

1125-O5-2927      **Rachel Maitra\*** ([maitrar@wit.edu](mailto:maitrar@wit.edu)), 550 Huntington Ave, Boston, MA 02115. *Projects in geometry for design students.*

This presentation describes the process and outcome of revamping a traditional geometry course for industrial and interior design students into a project-based exploration highlighting the relevance of geometry to design. Students completed projects and labs on topics including plane tilings, Voronoi cells, and involute/evolute curves. As a class, students collaboratively designed and built large tetrahedral kites and a polyhedral lampshades. The semester culminated in a final exhibit, for which each student designed an advertising poster and portfolio website. (Received September 20, 2016)