

## Course Information

**Course Number:** CS 177

**Course Title:** Discrete Differential Geometry: Theory and Applications

**Course Description:** Topics include, but are not limited to, discrete exterior calculus; Whitney forms; DeRham and Whitney complexes; Morse theory; computational and algebraic topology; discrete simulation of thin shells, fluids, electromagnetism, elasticity; surface parameterization; Hodge decomposition.

**Units:** 9 units (3-3-3); first term

### Instructor



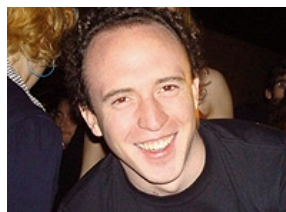
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October 9, 2012 | [No Comments »](#)

