

[Ge 193: Special Topics in Geophysics](#)

Course title: Imaging radar and applications

Description: Radar remote sensing principles and data analysis, derivation of radar signals from basic physical principles, data processing methods and algorithms, wave/surface interactions. InSAR method as primary application and its use for measuring topography, velocities, and crustal deformation maps at fine resolution. Assignments are mainly implementation of radar processing and image formation through InSAR product generation.

3 hours per week lectures, 6-9 hours per week homework goals. Days/time: TBD

Instructor: Howard Zebker