

Ge 193. Special Topics in Geophysics. Winter term 2021.

Title: Dynamics of Seismicity

Description: A comprehensive introduction to seismicity of the Earth. Topics covered: Empirical laws for seismicity; spatial and temporal evolution of earthquake sequences; earthquake location algorithms; seismicity in crustal fault zones, subduction zones, creeping faults, volcanoes, and intraplate regions; earthquake triggering; induced seismicity; tectonic tremor and low-frequency earthquakes. Requires a class project.

Units: 9

Grade Scheme: Grades only

Instructor: Zach Ross