

Global Seismology-2 (3 credits graded; Dr. Dueker; Meeting time TBD)

Textbook: Stein and Wysession textbook sections listed below.

Requirements: Graduate level standing and Matlab programming skills. Global Seismology-1 is not required.

Objective: Global Seismology-1 class (5216) covers the long chapter 2 on seismic wave propagation. Global-Seismology-2 class covers the material listed below. In short, the class will cover: global earth structure, anisotropic wave propagation, seismic attenuation and anelastic, focal mechanism and moment tensors, waveform modelling, and how seismology constrains plate kinematics.

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