



APPROVALS: Add additional signature lines as needed

QUICK REFERENCE: Section 8 contains the calendar of topics and deadlines.

1. Course information.

Meeting times: Tuesday and Thursday, 9:45–11:15
Meeting location: TBA
Prerequisites: MATH 2214 (Linear Algebra) or permission of instructor

2. Instructor information.

Instructor: Carl Tape
Office: 413D Elvey (Geophysical Institute)

Phone: (907) 474-5456

time-dependent, space-dependent elastic waves that originate at an earthquake source (for example, a fault slips) and propagate through the heterogeneous Earth.

8. Course calendar (tentative).

Day	Date	Topic	Reading Date†	Homework Due. Assigned
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9. Course policies.

(a) **Attendance:** All students are expected to attend and participate in all classes.

(b) **Tardiness:** Students are expected to arrive in class prior to the start of class.

(c) **Participation and Preparation:** Students are expected to participate and prepare for class.

(c) Overall course grades are based on the following criteria:

- [10] D. Komatitsch and J. Tromp, "Spectral-element simulations of global seismic wave propagation—I. Validation," *Geophys. J. Int.*, vol. 149, pp. 390–412, 2002.
- [11] D. Komatitsch and J. Tromp, "Spectral-element simulations of global seismic wave propagation—II. Three-dimensional models," *Geophys. J. Int.*, vol. 149, pp. 413–426, 2002.

- [12] F. A. Dahlen, S.-H. Hung, and G. Nolet, "Fréchet kernels for finite-frequency traveltimes—I. Theory," *Geophys. J. Int.*, vol. 141, pp. 157–174, 2000.
- [13] S.-H. Hung, F. A. Dahlen, and G. Nolet, "Fréchet kernels for finite-frequency traveltimes—II. Examples," *Geophys. J. Int.*, vol. 141, pp. 175–203, 2000.
- [14] N. M. Shapiro, M. Campillo, L. Stehly, and M. H. Ritzwoller, "High-resolution surface wave