

EART 278A Advanced Seismology

Fall 2017 MWF 2:40-3:45 E&MS D258

F	Sept. 29	Organization and review of Intro Seismology Solution
M	Oct. 2	Review of whole space solution
W	Oct. 4	Laplace Transforms
F	Oct. 6	Cagniard Line source in fluid wholespace
M	Oct. 9	Cagniard Line source in layered fluid
W	Oct. 11	Cagniard Line source in sandwiched layer
F	Oct. 13	Cagniard Point source in whole space
M	Oct. 16	Cagniard Point source in whole space
W	Oct. 18	Cagniard Acoustic point source in 2 halfspaces
F	Oct. 20	GRT Point source in layered fluid
M	Oct. 23	GRT Point Source in layered elastic medium
W	Oct. 25	No class TL at AFTAC
F	Oct. 27	GRT Practicalities and
M	Oct. 30	GRT Examples
W	Nov. 1	WKBJ
F	Nov. 3	WKBJ
M	Nov. 6	WKBJ Examples
W	Nov. 10	No class Veteran's Day
M	Nov. 13	No class TL in DC
W	Nov. 15	Reflectivity
F	Nov. 17	Reflectivity
M	Nov. 20	Reflectivity
W	Nov.22	Ray Theory
F	Nov.24	No class Thanksgiving
M	Nov. 27	Dynamic Ray Tracing
W	Nov. 29	Dynamic Ray Tracing
F	Dec. 1	Gaussian Beams
M	Dec. 4	Gaussian Beams
W	Dec. 6	Gaussian Beams
F	Dec. 8	Class Wrap-up