

0423 Geological Sciences 309  
Reflection Seismology  
Spring Quarter 2005

W,F 1-3PM  
Locy #109

*Instructor:*

Donna Jurdy

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Locy Hall #206, phone (847) 491-7163; fax (847) 491-8060

Office hours: M,W 12-1PM, or by appointment

Textbook: *Exploration Seismology*, by R.E. Sheriff & L.P. Geldart Cambridge University Press, 1995 out of print, being copied in entirety by Copy Cat, Sherman Street

Supplemental Reading:

Claerbout, J.F., *Fundamentals of Geophysical Data Processing*

Clark, S.P., *Handbook of Physical Constants*

Dobrin, M.B. and Savit, C.H., *Introduction to Geophysical Prospecting*

Payton, C.E. (ed.) *AAPG Memoir #26 "Seismic Stratigraphy"*

Robinson, E.A., and Treitel, *Geophysical Signal Analysis*

Sheriff, R.E., *Encyclopedic Dictionary of Exploration Geophysics*

Sheriff, R.E., *Seismic Stratigraphy*

Telford et al., *Applied Geophysics*

Tucker, P.M. and H.J. Yorston, *Pitfalls in Seismic Interpretation*

Waters, K.H., *Reflection Seismology*

Yilmaz, Oz, *Seismic Data Analysis*, SEG publications, Investigations in Geophysics, No, 10, 2 volumes, 2001.

(All books, including text, are in the Geology Library)

Grading:

Grades will be assigned with the following weighting:

Presentations      15%

Midterm Exam      35%

Second Exam      50%