

GEOP 501

Reflection Seismology

1. Review of the Seismic Method (4 weeks)

- Basic concepts
- T-X curves
- Seismic events
- Seismic velocity
- 2-D field methods

2. Borehole Seismology (4 weeks)

- Uphole survey
- Check shot survey
- Vertical seismic profiling
- Acoustic well logging
- Crosshole survey

3. Designing 3-D Land Seismic Surveys (4 weeks)

- Introduction
- Controlling factors
- Survey parameters
- Aspect ratio
- Field layouts
- Swath shooting method

3. TBA (*By: Industry professionals*) (3 weeks)

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