Spring 2019

Applied & Environmental Geophysics

(Geology/CivilEngineering/EnSci 413/513, 3 credits)

- Seismic, electrical, electromagnetic, ground-penetrating radar, and gravity surveys
- Subsurface imaging
- Field work with seismic and radar equipment
- Geological-interpretation software

Instructor: Igor Beresnev, Geological & Atmospheric Sciences, 4-7529, beresnev@iastate.edu

Sec. #: 7599005 (Geol 413), 3090005 (EnSci 413)
7602005 (Geol 513), 3199005 (EnSci 513)

Schedule: MW 10-11, F 10-12 (Lab)
Prereq.: Introductory geology and math

Subsurface cross-section along the northern side of Science I building

Obtained using electrical-resistivity imaging. Field data will be collected and interpreted as part of this course.