

# GPHY-GEOPHYSICS

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**GPHY 450. Selected Topics****1-3 Credits**

Readings, discussions, lectures or laboratory studies of selected areas of geophysics. May be repeated for a maximum of 12 credits.

**Prerequisite:** consent of instructor.

**GPHY 520. Selected Topics****1-3 Credits**

Formal treatment of graduate topics not covered in regular courses. May be repeated for unlimited credit.

**Prerequisites:** graduate standing, consent of instructor, and selection of a specific topic prior to registration.

**GPHY 560. Applied Inverse Theory****3 Credits (3)**

Inversion of data with an emphasis on geophysical problems. Curve fitting, tomography, earthquake location, over determined and under determined problems, linear and nonlinear problems. Computing experience desirable. Consent of Instructor required.

**GPHY 598. Special Research Problems****1-3 Credits**

Individual investigations, either analytical or experimental. May be repeated for unlimited credit.

**GPHY 599. Master's Thesis****1-15 Credits (1-15)**

Thesis.

**GPHY 620. Advanced Topics in Geophysics****3 Credits (3)**

Advanced formal treatment of a topic or topics not covered in regular courses. May be repeated for unlimited credit.

**Prerequisite:** consent of instructor.

**GPHY 700. Doctoral Dissertation****1-15 Credits (1-15)**

Dissertation.