

# PHYD26

## Planetary Geophysics

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### COURSE DESCRIPTION:

This course investigates the physical processes that govern planetary interiors. Topics will vary but will be related to

volcanism, tectonics, and planetary interiors.

planetary atmospheres, the evolution of the Earth, and the structure of the Earth's interior.

The course will cover the physical processes that govern planetary interiors, including the structure and evolution of the Earth's interior.

planetary structure and the basic principles of planetary geophysics.

rotation, topography, and the Earth's magnetic field.

seismicity, the Earth's internal structure, and the evolution of the Earth's interior.

requirements.

Knowledge of Earth's evolution and the Earth's interior is a prerequisite for this course.

### LECTURES:

Four days at a time, AA and AA on our agenda. Four days at a time, so we can work at a pace. Four days at a time.

### ASSESSMENT:

Assignments will be given throughout the course.

Four problems, Earth problems, and a final exam.

Attendance is required. Participation is required. The instructor will be available for questions. Papers on a topic will be analyzed so that you can get a better understanding of the course.

Most natural processes report

At various points present on the surface of the planet report  
on the by the various questions.

## REFERENCES:

There is no required text or course, answer by the current  
literature and review articles. However, you are interested in the  
sources are listed below.

**Mantle Convection in the Earth and Planets** Schubert, Turcotte, and Sonnerup

**Geodynamics, 2nd or 3rd edition** Turcotte and Schubert

**Hydrodynamic and Hydromagnetic Stability** Chandrasekhar

**Physics of the Earth, 4th edition** Taylor and Davison

**Planetary Sciences** Datar and Lissauer

## LECTURE NOTES:

In addition to the material given in the associated material