

# PhD Course in Planetary Physics and Global Tectonics

Place: Centre for Earth Evolution and Dynamics, University of Oslo, Norway

Time: 31 October – 4 November, 2016

5 ECTS credits based on attendance, oral presentation and home exam

The course will give an introduction to the physics and tectonic processes that govern the properties and evolution of the Earth and other planets.

After completing this course you will obtain a fundamental knowledge of

- how the Earth and planets in the Solar System form, and how this compares to other planetary systems.
- planetary accretion and planetary evolution and how it is fundamental for describing the dynamics and properties of the Earth and planets.
- accretion, differentiation and the planets' heat budget.
- planetary surfaces, the timing and patterns of (plate) tectonics.
- how Earth's figure, gravity field, rotation, mantle convection and tidal interaction modify and complicate the reconstructed movements on the planet's surface.
- how numerical modelling can be used for reconstructing planet's structure and evolution.



No tuition fee

Application deadline **1 October 2016**

For application and more information, visit our webpage: [mn.uio.no/deep](http://mn.uio.no/deep)

