

Plate Tectonics 206-13091 2.5 credits

Dr. Roi Granot

Syllabus

The creation of the continental and oceanic lithospheres. Plate kinematics. Motion of plate in time and space. Marine magnetic anomalies. Relative and absolute plate motion. Geodynamical processes.

Bibliography

1. Plate Tectonics: How it works, Cox and Hart
2. Geodynamics, Turcotte, D. L. and Schubert, G.
3. Introduction to Seismology, Shearer, P.
4. The Solid Earth: An Introduction to Global Geophysics, Fowler, C. M. R.
5. Essentials of Paleomagnetism, Tauxe, L.

Course Requirements

Introduction to Geophysics

2 hrs lecture

1 Weekly tutorial hours

Each component must be graded 56 at least.