

Topics in Geodynamics 206-2-3471

Teacher: Liran Goren, gorenl@bgu.ac.il, Room 233, Building 58

Course structure:

Lectures – 2hr/w

Office hours and communication:

Office hours: Thursdays between 15:30 – 17:30.

Teaching material and messages will be posted on the course website as part the Moodle system.

Evaluation:

Two quizzes (40%). Each quiz is 20% of the final grade.

Final exam (60%).

Literature:

1. Geodynamics. Turcotte and Schubert. Cambridge University Press. 2nd edition (or later).
2. The Mechanics of Earthquakes and Faulting. Christopher H. Scholtz. Cambridge University Press. 2nd edition.

Course topics:

1. Stick-slip dynamics, Heat transfer, Basic fluid mechanics, Flows in porous media.
2. Introduction to ordinary differential equations.