Structural Geology 206-12311

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

Course structure:
Lectures – 2hr/w  
Practicals - 2hr/w  
Field excursions – 2 days

Office hours and communications:
At the beginning of the semester the teacher and the T/As will announce on weekly office hours. 
Teaching material, assignments, and messages will be posted on the course website as part the Moodle system.

Evaluation:
Weekly assignments - 40% (Mandatory submission of 80% of the assignments) 
Field reports – 15% 
Final exam – 45% 
Passing the course is conditioned by a pass grade in each of the evaluation components independently.

Literature:
3. Lecture notes by Prof. Rick Allmendinger. Will be posted on the course website. 
4. Lecture notes by Prof. Jean-Pierre Burg. Will be posted on the course website.

Course topics:
1. Basic and advance concepts and analysis of deformation, strain and stress. 
2. Tensorial representation of stress and strain and basic tensorial calculations. 
4. Micro-scale deformation mechanisms. 
7. Deformation along shear zones and the effect of pore fluid and temperature.