

Geomorphology: Mechanics and Evolution of Landscapes (GES 206.2.5401)

Syllabus 2016-17

Lectures: 3 hours. Sunday 14:00-17:00 (Building 90, room 222)
Labs: 2 hours. Sunday 10:00-12:00 (Building 90, room 237)
Field trips: 2 days. 01-02 January (Sunday, Monday)
Credit points: 4.5
Instructor: Itai Haviv
Haviv@bgu.ac.il
Room 331, building 58
Office hours: Tuesday 11:15-12:15

Textbook: Geomorphology: The mechanics and chemistry of landscapes, Anderson and Anderson, Cambridge University Press, 2010

Other reading: Selected papers will be assigned for reading during the semester.

Course overview: The objective of this course is to prompt quantitative understanding of processes which shape the Earth's surface and the relation between form and process. The topics which will be covered will include the mechanics and morphology of rivers (alluvial and bedrock), hillslopes, escarpments and mountain chains and the interplay between tectonics and geomorphology. The course includes two field trips.

Assignments and Evaluation:

Labs: 20%
Field work & reports: 15%
Exam: 65%

ALL MANDATORY!