



The Hebrew University of Jerusalem

Syllabus

karst terrains and environment - 70165

Last update 20-09-2022

HU Credits: 2

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Geology

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Prof Amos Frumkin

Coordinator Email: amos.frumkin@mail.huji.ac.il

Coordinator Office Hours: APPOINTMENT BYֹ

Teaching Staff:

Prof Amos Frumkin

Course/Module description:

Karst processes, terrains and environmental problems. Theoretic and field understanding.

Course/Module aims:

Understand and function in karst terrain and its problems

Learning outcomes - On successful completion of this module, students should be able to:

define, describe and analyze a karst terrain and its hydrogeologic problems.
Evaluate environmental karst problems and suggest solutions

Attendance requirements(%):

80

Teaching arrangement and method of instruction: Lectures, field trips and field lectures. Hard field conditions

Course/Module Content:

Karst processes and terrains in various morpho-climatic environments. Drainage in karst, landforms evolution, denudation rates, environmental issues, including pollution, construction and dams in karst.

Required Reading:

selected chapters from:
Shroder J.F. (ed. in chief), Frumkin, A., (vol. ed.), 2013, Karst Geomorphology, Volume 6, in: Treatise on Geomorphology, San Diego, Academic Press,

<http://hufind.huji.ac.il>

Additional Reading Material:

www.karstportal.org
www.speleogenesis.info

Course/Module evaluation:

End of year written/oral examination 100 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Assignments can raise final grade

Additional information:

Participant should be in good physical condition. Field equipment: torch, walking shoes, clothes for water & mud, food, water, maps of field trip area