

206.1.2261 **Geology of Israel** 2.0 credits
Moshe Eyal, Chaim Benjamini
Prerequisites 206-13021 ,206-12101 ,206-11041

Course Requirements:

12-13 2- hour lectures, no attendance requirement. Latecomers may not be admitted.

Grading:

Final exam, 100% on all material given in lecture.
Source material will be put on High Learn server from time to time.

Syllabus:

1. Morphotectonics
2. Precambrian: Genesis and metamorphic history of the Arabian-Nubian Massif
3. Precambrian magmatism
4. L Paleozoic Yam Suf Group in Israel and neighboring countries.
5. M-Upper Paleozoic Negev Gp: transition to Mesozoic style
6. Triassic Ramon Group: stratigraphy and tectonism
7. Jurassic Arad Group: stratigraphy of Israel and the Arabian Plate
8. L. Cretaceous – Kurnub Group: continental, marginal marine and Tethyan transgressive facies
9. M. Cretaceous – Judea carbonate platform (or maybe not!)
10. The U. Cretaceous/Paleocene – Mt. Scopus Group – detachment from global stratigraphy; Syrian Arc I
11. The Avedat Group and the Eocene enigma
12. Upper Tertiary emergence; Syrian Arc II; Rift Valley