

Geology of Israel A 206-12261 – 2 credits

Prof. Chaim Benjamini

Prof. Moshe Eyal

Syllabus

Morphotectonics; Precambrian: Genesis and metamorphic history of the Arabian-Nubian Massif; Precambrian magmatism. Lower Paleozoic Yam Suf Group in Israel and neighboring countries. Middle-Upper Paleozoic Negev Group: transition to Mesozoic style Triassic Ramon Group: stratigraphy and tectonism. Jurassic Arad Group: stratigraphy of Israel and the Arabian Plate. Lower Cretaceous Kurnub Group: continental, marginal marine and Tethyan transgressive facies M. Cretaceous ? Judea carbonate platform (or maybe not!). The Upper Cretaceous/Paleocene Mt. Scopus Group - detachment from global stratigraphy and Syrian Arc I. The Avedat Group and the Eocene enigma; Upper Tertiary emergence and Syrian Arc II; Rift Valley sedimentation.

Bibliography

Course reading materials are placed by the instructor on the course Web page during term time.

Course Requirements

Prerequisites: Introduction to Dynamic Geology, Igneous and Metamorphic Petrology
2 hr lecture