

Mapping 206-12251 – 3.5 credits

Prof. Yossef Hatzor

Syllabus

The columnar section. Stratigraphic sections; fence diagrams; use of aerial photography in geological mapping. Geological maps. Measurement of section thickness and dips from maps. Structural maps, isochore maps, isopach maps, lithofacies maps. Instrumentation. Exercises in measurement and field mapping.

Bibliography

1. Kottowski, F.E.: Measuring Stratigraphic Section. Holt, Rinehart and Winston, New York 1965, 253 pp.
2. Lattman, L.H. & Ray, R.G.: Aerial Photographs in Field Geology. Holt, Rinehart and Winston, New York 1965, 221 pp.
3. Eicher, D.L.: Geologic Time; 2nd ed. Prentice-Hall, Englewood Cliffs, N.J. 1976, 150 pp.
4. Lahee, F.H.: Field Geology; 6th ed. McGraw-Hill, New York 1961, 926 pp.
5. Moseley, F.: Methods in Field Geology. Freeman, San Francisco 1981, 211 pp.

Course Requirements

Prerequisites: Stratigraphy

1 hr lecture / tutorial

2 hr exercise

6 excursion days (all mandatory)