206-1-3131 Advanced Sedimentology 3.0 credits
Chaim Benjamini
Prerequisite: 206-12181

Course Requirements:
12-13 2- hour lectures, no attendance requirement. Latecomers may not be admitted.
12-13 2hr - demonstration exercises, hand-in exercises
Source material will be put on High Learn server from time to time.

Grading
Final exam: 90% (includes demonstration material); practical reports up to 10%

Syllabus
1. Red shales, black shales, glauconite
2. Cathodoluminescence
3. Late-stage diagenesis
4. Dolomite and dolomitization processes
5. Organic matter in sediments
6. Aeolian fines and loess deposits
7. Clays
8. Paleosols, Calcrete and sequence boundaries
9. The lacustrine environment: Physical and geochemical signatures for the depositional and early diagenetic environment
10. Evaporites
11. Siliceous sediments; phosphorites