Introduction to Paleontology 206-11121 – 2 credits
Dr. Sigal Abramovich

Syllabus
Biomineralization, preservation of fossils. Organization of life - phyla important as fossils. Variation within the species; species concepts; nomenclature and identification. Evolutionary theory and its modern synthesis. Evolutionary trends and the issue of continuity. Extinction. Evidence for early life. Precambrian life. Life in the Paleozoic, Mesozoic and Cenozoic.

Bibliography
1. Clarkson, E.N.K. Invertebrate Paleontology and Evolution. Allen & Unwin, London, 4th ed. 1998.
2. Doyle, P. Understanding Fossils. Wiley, Chichester 1997.
3. Prothero, D.R.Bringing Fossils to Life - an Introduction to Paleontology. McGraw-Hill, Boston, etc., 1998.
4. Raup, D.M. and Stanley, S.M.: Principles of Paleontology, .Freeman, San Francisco, 2nd ed. 1978.

Course Requirements
2 hr lecture