206-25191 **Paleoecology** 2.25 credits  
Chaim Benjamini  
**Prerequisites:** 206-11121; 206-12041; 206-12181

**Course requirements:**  
12-13 2-hr meetings  
+ 3 homework hand-ins, to be set  
Field excursion to Carmel; participation is a course requirement.  
All materials are on High-Learn site.

**Grading:**  
Course examination on all theoretical material - 80%.  
Take-home exercises (around 3-4) 10%  
Field excursion report - 10%.

**Syllabus**  
1. Introduction; fidelity; taphonomy  
2. Environmental parameters  
3. Paleoautecology; adaptive and functional morphology  
4. Populations and communities  
5. Coloniality and symbiosis  
6. Hard bottom communities  
7. Soft-bottom and trace fossil communities  
8. Succession vs. replacement  
9. Biospace; guilds; community evolution

**Recommended reading (partial list)**  