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Spring 2-1-2004

### GEOL 311.01: Paleobiology

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**GEOLOGY 311--PALEOBIOLOGY**  
**Spring, 2004**

REQUIRED TEXT: Paleobiology II, Briggs & Crowther

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OFFICE: Science Complex 302      TELEPHONE: 243-5693

<b>Date</b>	<b>Lecture/Subject</b>	<b>Chapter Assignments</b>	<b>Practical</b>
Jan 27	Introduction to the course	--	
29	Fossils and preservation		1. Fossils
<b>Major events</b>			
Feb 03	Cambrian radiation	25-40	
05	Cambrian radiation cont.	40-48	
10	Paleozoic events	49-66	
12	Paleozoic events cont.	67-94	
17	Mesozoic events	94-97 +	
<b>Evolutionary processes</b>			
19	Evolution of form	147-161	
24	Macroevolution Stanley & Raup +	162-166	
26		195-206	
Mar 02	Biotic recovery	211-220	
04	Extinction	220-234	
<b>Taphonomy</b>			
09	Fossilization Process	271-292	
11	Time average; settings	292-307	
16	Lagerstätten	328-364	
18	Lagerstätten cont.		
23			2. Taphonomy Lab
25			Taphonomy cont.
30	SPRING BREAK-no class meeting		

Apr 01 SPRING BREAK-no class meeting

**Paleoecology**

06	Fossils as living organisms	367-375	
08	Cont.	384-404	
13	Communities	432-464	
15	Benthic communities	TBA	
20	Benthic Community analysis		
22			3. Benthic lab
27	Reef Communities		
29			4. Cret. Reef lab
May 04	Panel presentations	TBA	
06	Panel presentations	TBA	
11	FINAL EXAM 1:10-3:10		

Basis for grading:

Homework/short quizzes	20%
Practical exercises	20%
Term paper & classroom presentations	20%
Final exam	30%
Field trip (weekend TBA)	10%