

Geological Sciences 615 -- PALEOECOLOGY

Autumn Quarter 2004

Instructor: William I. Ausich
Lectures: MTWR 9:30, 80 Orton
Laboratories: F 9:30-11:18
Rm. 80 Orton Hall

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Course Schedule

September

- 22 Introduction (Prothero, 1998, p. 117-146)
- 23 Introduction
- 24 LAB: Sampling

- 27 Niches
- 28 Suspension feeders (Levinton, p. 269-277)
- 29 Deposit feeders (Levinton, p. 277-282)
- 30 5-minute talks on ecology papers; Introduce Lab Project 1

October

- 1 LAB: Community metrics

- 4 Plankton/Nekton (Levinton, Ch. 10 – won't do whole chapter)
- 5 Plankton/Nekton
- 6 Living on the bottom
- 7 Taphonomy (Dodd and Stanton, p. 233-276)
- 8 LAB: Numerical Methods; Introduce Lab Project 2: Devonian Communities

- 11 Taphonomy
- 12 Taphonomy
- 13 Community Paleoecology (Dodd and Stanton, p. 323-384)
- 14 NO CLASS: FIELD TRIP
- 15 NO CLASS: FIELD TRIP

- 18 Community Paleoecology
- 19 Community Paleoecology
- 20 Community Paleoecology
- 21 MIDTERM EXAMINATION
- 22 LAB: Devonian Communities

- 25 Hierarchies in Paleocology (Jablonski and Lipps, Ch. 3)
- 26 Evolutionary Paleocology (Brenchley and Harper, Ch. 9; Allmon and Bottjer, Chs. 1, 4)
- 27 Evolutionary Paleocology
- 28 Evolutionary Paleocology
- 29 LAB: Devonian wrap up and Lab Project

November

- 1 The Sepkoski Curve
- 2 The Sepkoski Curve
- 3 Evolutionary Paleocology of the Marine Biosphere
- 4 Evolutionary Paleocology of the Marine Biosphere
- 5 NO CLASS: GSA

- 8 NO CLASS: GSA
- 9 NO CLASS: GSA
- 10 NO CLASS: GSA
- 11 NO CLASS: VETERAN'S DAY
- 12 NO OFFICIAL LAB – WORK ON PROJECTS

- 15 Evolutionary Paleocology of the Marine Biosphere
- 16 Evolutionary Paleocology of the Marine Biosphere
- 17 Evolutionary Paleocology of the Marine Biosphere
- 18 Evolutionary Paleocology of the Marine Biosphere
- 19 LAB: Lab Consulting

- 22 Evolutionary Paleocology of the Marine Biosphere
- 23 Evolutionary Paleocology of the Marine Biosphere
- 24 Evolutionary Paleocology of the Marine Biosphere
- 25 NO CLASS: THANKSGIVING
- 26 NO CLASS: THANKSGIVING

- 29 Evolutionary Paleocology of the Marine Biosphere
- 30 Lab Presentations

December

- 1 Lab Presentations
- 2 Lab Presentations
- 3 Evolutionary Paleocology of the Marine Biosphere

FINAL EXAMINATION -- Wednesday, December 8, 2004, 7:30-9:18 [Can we *change* this?]

GRADING: Midterm Examination	25%
Final Examination	40%
Laboratory	25%
Class Presentations & Participation	10%

ACADEMIC MISCONDUCT

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