

GEOL 102: HISTORICAL GEOLOGY

Fall Semester, 2009

Lectures: MWF 11:30-12:20, TLC 249
Instructor (lecture): Susan Childers
Office: McClure 307D
childers@uidaho.edu
Office hours: TU 10:30-12pm or FR 12:30-2pm (or by appointment)
Text: *Evolution of the Earth* by D.R. Prothero and R.H. Dott, Jr., 2004.
Laboratories: Section 51, Tuesday 8:30-10:20, Mines 219
Section 52, Thursday 8:30-10:20, Mines 219
Instructor: Renee Breedlovestrout

***** The 1-credit laboratory portion of this course, GEOL 102L, is a separate course.**

Geology majors MUST REGISTER for Geol 102L in order to fulfill geology degree program requirements.

Non-geology majors MUST REGISTER for Geol 102L to receive CORE credit.

All other students are encouraged to take Geol 102L although it is not required for satisfactory completion of this course.

Grading Scheme

4 one-hour exams (100 pts each)	400 pts	60% of final grade
Quizzes/attendance/participation	100 pts	30% of final grade
Field Trip (1 day)	<u>100 pts</u>	<u>10% of final grade</u>
TOTAL	600 pts	100%

Missed Examination Policy

There will be no make-ups for examinations and quizzes missed in class. You will need to rely on your existing grades for your course grade.

Field Trip (1 day)

There is a **required** 1-day field trip during this course. Failure to attend will result in a grade of '0' (10% of final grade).

TENTATIVE SCHEDULE

For updates, see: <http://www.webpages.uidaho.edu/~childers/teaching.html> (Geol 102 link)

<u>DATE</u>	<u>TOPIC</u>	<u>READING ASSIGNMENT</u>
August 24-28	Introduction/ Rates of processes Minerals/Rocks Review	CH. 1, pp. 3-13
Aug. 31-Sept. 4	History of Geology Evolution	CH. 2, pp. 15-36 CH. 3, pp. 39-53
September 7	NO CLASS—Labor Day	
September 9, 11	Origin of Species Relative Time Scale	CH. 3, pp. 53-65 CH. 4, pp. 67-74
September 14, 16	Stratigraphy	CH. 4, pp. 74-84
September 18 (FR)	EXAM #1	Material from CH. 1-4
September 21-25	Dating Rocks Origin of Earth Evolution of Earth	CH. 5, pp. 87-99 CH. 6, pp. 101-111 CH. 6, pp. 111-119
October 1 (TH)	FIELD TRIP	
Sept. 30-Oct. 5	Mountains and Continental Drift Plate Tectonics Origin of Continents	CH. 7, pp. 121-138 CH. 7, pp. 138-148 CH. 8, pp. 151-162
October 5-9	Ancient Rocks Origin of Life	CH. 8, pp. 162-177 CH. 9, pp. 181-192
October 12 (MO)	EXAM #2	Material from CH. 5-8
October 14-16	Proterozoic: Multicellular Life Early Paleozoic: Structural	CH. 9, pp. 192-205 CH. 10, pp. 207-219
October 19-23	Early Paleozoic: Sauk Transgression Early Paleozoic: Ordovician Life	CH. 10, pp. 219-229 CH. 11, pp. 231-240
October 26-30	Early Paleozoic: Mountain Building Middle Paleozoic: Life Middle Paleozoic: Structural	CH. 11, pp. 240-257 CH. 12, pp. 259-270 CH. 12, pp. 270-297
November 2-6	Late Paleozoic: Structural Late Paleozoic: Tectonics	CH. 13, pp.299-315 CH. 13, pp. 315-332
November 9, 11	Late Paleozoic: Life	CH. 13, pp. 332-348
November 13 (FR)	EXAM #3	Material from CH. 9-13
November 16-20	Mesozoic: Structure Mesozoic: Life Cenozoic: Structural	CH. 14, pp. 351-378 CH. 14, pp. 378-411 CH. 15, pp. 413-429
November 23-27	THANKSGIVING BREAK (off)	
Nov. 30-Dec. 4	Cenozoic: Tectonics Cenozoic: Life Pleistocene Glaciation	CH. 15, pp. 429-446 CH. 15, pp. 446-462 CH. 16, pp. 465-485
December 7-11	Evolution of Primates Present Earth Present Earth	CH. 16, pp.485-501 CH. 17, pp. 503-524 CH. 17, pp. 503-524
December 15 (TU)	EXAM #4 (10am-12pm)	Material from CH. 14-17