

GEO 112 Earth History (5 credits)

Syllabus

Instructor: FIGEN MEKIK

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Office hours: MWF 10-11am

Text book: Donald R. Prothero and Robert H. Dott, Jr.; Evolution of the Earth
ISBN 0-07-252808-7

Welcome to Earth History!! We will have lots of adventures through geologic time. This course has both lecture and lab. We are going to focus on the interpretation of ancient environments, the geologic tools we have at our disposal for this and summarize Earth's recent history—the last 600 million years that is.

Here are some course policies:

1. Attendance to labs is mandatory. Lab preparation requires a lot of time and effort on the part of the staff and no labs may be repeated.
2. There are no make-ups for tests.
3. 10% of your grade will be reduced each day that any assignment is late.
4. Last withdrawal deadline without a grade is October 22, 2004.

Grading System

Earth History Project = **100** points

Field Trip OR term paper = **50** points

Each lab exercise = 15 pts; 13 labs total = **195** points

Unblemished attendance record to labs = **5** points

Each lab test = 100 points; 2 lab tests total = **200** pts

Tests (100 pts each; 3 tests total) = **300** points

Final Exam = **150** points

TOTAL 1000 POINTS

Earth History Project:

Make a poster of the geologic time scale with each period drawn to scale based on its duration. On this geologic time scale you will put all of the major events (tectonic, biological, climatic, cosmic, what have you) in Earth's history corresponding to their respective time periods. The details and breadth of info you include will determine your grade. So get creative and have fun doing it.

Dates	Topics	Chapters
August 28-30	Introduction, Fossils	1
September 1	Time and Fossils	2
August 31	LAB 1: Fossils	
September 4	LABOR DAY	
September 6-8	Evolution	3
September 7	LAB 2: Correlation	
September 11-13	Geologic Dating Methods	4
September 14	LAB 3: Geologic Time	
September 15	EXAM 1	
September 18	Numerical dating	5
September 20-22	Mountain Building / Drifting of Continents	7
September 21	LAB 4: Plate tectonics lab	
September 25-27	Mountain Building / Drifting of Continents	7
September 28	Concepts in Stratigraphy	4
September 26	LAB 5: Sedimentary Rocks	
October 2-6	Concepts in Stratigraphy	4
October 5	LAB 6: Sediment Maturity	
October 9-13	Cryptozoic	8,9
October 12	LAB 7: Facies Concept	
October 16	EXAM 2	
October 18- 20	Early Paleozoic	10, 11
October 19	LAB 8: EXAM I Facies Maps and Time	
October 23-27	Middle Paleozoic	12
October 26	LAB 9: Transgressive Regressive Sequences	
Oct. 30-Nov. 3	Late Paleozoic	13
November 2	LAB 10: Geologic Maps I	
November 6-10	Mesozoic	14
November 9	LAB 11: Geologic Maps II	
November 13	EXAM 3	
November 15-17	Mesozoic	14
November 16	LAB 12: Geologic Maps III	
November 20	Mesozoic	14
November 24-26	THANKSGIVING; NO LAB	

November 27-29	Cenozoic	15
December 1	Cenozoic	15
November 30	LAB 13: Geologic Maps IV	
December 4-8	Pleistocene Glaciation	16
December 7	LAB EXAM II	

Final Exam, Wed Dec. 13 10-11:50am, PAD 119.

LAST WITHDRAWAL DATE with grade W: October 20, 5pm.

****This syllabus is subject to change where change is needed, as the course progresses.**