

OXFORD COLLEGE

Geology 141 - Physical Geology

Fall 1993

COURSE ANNOUNCEMENTS

Instructor: Dr. Stephen W. Henderson

Office: 106 Pierce Hall

Office Phone: 784-8345

Text: Tarbuck and Lutgens, 1993, The Earth, an Introduction to Physical Geology, 4th ed.

Lab Manual: Busch (ed.), 1993, Laboratory Manual in Physical Geology, 3rd ed., (AGI/NAGT).

Organization: The class will meet for lecture three times each week: Monday, Wednesday, and Friday at 10:00 or 12:00. There are three laboratory sections that meet from 2:00-5:00 on Monday, Tuesday, or Wednesday.

Attendance: All students are expected to attend all scheduled lecture and laboratory sessions. Attendance will be taken. No unexcused cuts are allowed in lab. Students who have an unexcused absence in lab will have their final course grade reduced three points per absence. Lab quizzes cannot be made up without a valid excuse. A student who has three or fewer unexcused lecture cuts for the entire semester will receive the addition of two points to the final course average.

Grading System: Geology 141 will use the plus-minus grading system. The distribution of grades is as follows:

| | | | |
|---------|--------|---------|--------------|
| A(4.0) | 93-100 | C+(2.3) | 77-79 |
| A-(3.7) | 90-92 | C(2.0) | 73-76 |
| B+(3.3) | 87-89 | C-(1.7) | 70-72 |
| B(3.0) | 83-86 | D+(1.3) | 67-69 |
| B-(2.7) | 80-82 | D(1.0) | 60-66 |
| | | F | 59 and below |

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Evaluation: Lecture work will comprise 55% of your final average. Lab will comprise the remaining 45%. It is broken down as follows:

| | |
|------------------------------------|-----|
| Lecture Test on 09/20 | 10% |
| Lecture Test on 10/25 | 15% |
| Lecture Test on 11/15 | 15% |
| Final Exam on 12/07 or 12/10 | 15% |
| Weekly Lab Quizzes (best 8 of 9) | 15% |
| Lab Test on 10/11, 10/12, or 10/13 | 15% |
| Lab Test on 11/29, 11/30, or 12/1 | 15% |

Tentative Lecture Schedule and Reading Assignments:

| <u>Day</u> | <u>Topic for the Week</u> | <u>Text Assignments</u> |
|-------------------------------|---|-------------------------|
| M 8/23 W 8/25 F 8/27 | Introduction, Geologic Time and Basic Principles | Chapters 1 & 8 |
| M 8/30 W 9/1 F 9/3 | Plate Tectonics | Chapter 18 |
| W 9/8 F 9/10 | Minerals | Chapter 2 |
| M 9/13 W 9/15 F 9/17 | Igneous Rocks | Chapter 3 |
| M 9/20 W 9/22 F 9/24 | Lecture Tests #1 Volcanic Activity | Chapter 4 |
| M 9/27 W 9/29 F 10/1 | Weathering and Sedimentary Rocks | Chapters 5 & 6 |
| M 10/4 W 10/6 | Metamorphic Rocks and Mass Wasting | Chapters 7 & 9 |
| M 10/11 W 10/13 F 10/15 | Streams | Chapter 10 |
| M 10/18 W 10/20 F 10/22 | Groundwater | Chapter 11 |

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|---|-------|------------------------|------------------|
| M | 10/25 | Lecture Test #2 | |
| W | 10/27 | Film | |
| F | 10/29 | Glaciers | Chapter 12 |
| M | 11/1 | Shorelines | Chapter 14 |
| W | 11/3 | | |
| F | 11/5 | | |
| M | 11/8 | Crustal Deformation | Chapter 15 |
| W | 11/10 | | |
| F | 11/12 | Earthquakes | Chapter 16 |
| M | 11/15 | Lecture Test #3 | |
| W | 11/17 | | |
| F | 11/19 | | |
| M | 11/22 | Earth's Interior | Chapter 17 |
| M | 11/29 | Earth's Interior and | Chapters 17 & 20 |
| W | 12/1 | Mountain Building | |
| F | 12/3 | | |

Laboratory Schedule for Geology 141:

| | <u>Lab</u> | <u>Date</u> | | | |
|----------------|-------------|--------------|-------------|-------------------------------|----------------------------------|
| <u>Meeting</u> | <u>Mon.</u> | <u>Tues.</u> | <u>Wed.</u> | <u>Exercises</u> | <u>Quiz at Beginning of Lab?</u> |
| 1 | 8/30 | 8/31 | 9/1 | #2 Minerals | Yes |
| 2 | 9/13 | 9/14 | 9/15 | #4, 5, & 6 Rocks | Yes (on #4) |
| 3 | 9/20 | 9/21 | 9/22 | #4, 5, & 6 Rocks | Yes (on #5 & 6) |
| 4 | 9/27 | 9/28 | 9/29 | #7 Topo Maps | Yes |
| 5 | 10/4 | 10/5 | 10/6 | #9 Surface Water | Yes |
| 6 | 10/11 | 10/12 | 10/13 | Lab test #1 | |
| 7 | 10/18 | 10/19 | 10/20 | #12 Glaciation | Yes |
| 8 | 11/1 | 11/2 | 11/3 | #10 Shorelines | Yes |
| 9 | 11/8 | 11/9 | 11/10 | #14 Structural Geology | Yes |
| 10 | 11/15 | 11/16 | 11/17 | #16 Earthquakes and Review | Yes |
| 11 | 11/29 | 11/30 | 12/1 | Lab Test #2 | |