

PHYSICAL GEOLOGY (EES 1010-001 & 1010-002) Fall 2009

This course is approved for credit for the Natural Science Core Requirement, and it will:

- Provide a general understanding of the nature of science
- Provide an analysis and evaluation of scientific information
- Provide discipline specific principles and information regarding the earth sciences
- Demonstrate how geology impacts society and how this knowledge can be utilized
- Introduce scientific reasoning skills.

Instructor: Michael W. Phillips	Office: 3040 Bowman-Oddy	Phone: 419-530-4572
e-mail: Michael.Phillips@utoledo.edu		

WEBSITE: <http://www.eeescience.utoledo.edu/Faculty/Phillips/Syllabus-MP/Links%20for%20Physical%20topics.htm>

Recommended Text: **ESSENTIALS OF GEOLOGY, 4th edition: Wicander and Monroe**

TENTATIVE LECTURE SCHEDULE

<u>Week/Date</u>	<u>Topic</u>	<u>Chapter</u>
# 1 (8/24-8/26)	Introduction; Plate Tectonics.....	Chap. 2
# 2 (8/31-9/2)	Plate Tectonics (continued); Minerals.....	Chaps. 2, 3
SEPTEMBER 7, 2009		NO
<i>CLASS: Labor Day</i>		
# 3 (9/9)	Minerals; Igneous Activity & Igneous Rocks.....	Chaps. 3, 4
# 4 (9/14-9/16)	Igneous Rocks, Volcanoes and Volcanic Activity	Chaps. 4, 5
END OF MATERIAL FOR TEST 1.		TEST 1. Covers Chapters 2, 3, 4, 5

TEST 1. Monday September 21

# 5 (9/23)	Weathering and Soil.....	Chap 6
# 6 (9/28-9/30)	Sediment & Sedimentary Rocks.....	Chap. 7
OCTOBER 5, 2009 NO CLASS: FALL BREAK		
# 7 (10/7)	Geologic Time.....	Chap. 17
# 8 (10/12-10/14)	Geologic Time, Metamorphism & Metamorphic Rocks... ..	Chaps. 17, 8
# 9 (10/19-10/21)	Mass Wasting, Deserts and Wind	Chaps. 11, 15
END OF MATERIAL FOR TEST 2.		TEST 2. Covers Chapters 6, 7, 17, 8, 11, 15

TEST 2. Monday October 26

10 (10/28) Surface water and the Evolution of Landscapes (Running Water).....Chap. 12

<p>NOTE: FRIDAY OCTOBER 30th IS THE LAST DAY A STUDENT CAN WITHDRAW FROM A CLASS! INSTRUCTORS CAN NOT DROP STUDENTS FROM A CLASS.</p> <p>If a student does NOT withdraw by this date, the student will receive a letter grade for the course</p>
--

# 11 (11/2-11/4)	Surface water and the Evolution of Landscapes (Running Water).....	Chap. 12
# 12 (11/9)	Ground Water.....	hap. 13
NOVEMBER 11, 2009 NO CLASS: VETERANS DAY		
# 13 (11/16-11/18)	Glaciers and Glaciation.....	Chap. 14
# 14 (11/23)	Waves & Shorelines.....	Chap. 16
NOVEMBER 25, 2009 NO CLASS: THANKSGIVING		
# 15 (11/30-12/2)	Deformation of Rock & Mountain Building	Chap. 10
# 16 (12/7-12/9)	Earthquakes and Earth's Interior (and wrap up).....	Chap. 9

FINAL EXAM = TEST III (Topics from Chapters 12, 13, 14, 16, 10, 9)		
EXAM	(9:30 class) is at 10:15 Tuesday, December 15 in BO 1049 (same classroom)	
EXAM	(11:00 class) is at 10:15 Friday, December 18 in BO 1049 (same classroom)	

General Information

1. Tests - There are two tests each worth 100 points apiece and the "final" is Test III that is worth 150 points but is not comprehensive. The format for all tests is multiple-choice. There will be several opportunities for students who attend class regularly and keep up with the material on a daily basis to earn "bonus points" through unannounced "pop quizzes". This (along with attendance points) is the ONLY way to earn extra points for a grade. There are no other "extra credit" options.
2. Study Hints
 - a. The test questions come from class notes, so you need to have a good set of notes. Carefully reviewing and studying your notes after every class is very helpful. Having good notes and keeping up with the material on a day-by-day basis are the two most important factors that will determine your performance, and hence your grade in this course. The material is not conceptually difficult but there is a great deal of information to assimilate and digest so it is important to keep up on a daily basis.
 - b. Before the start of each new lecture topic, you should go to my website at: <http://www.eeescience.utoledo.edu/Faculty/Phillips/Syllabus-MP/Links%20for%20Physical%20topics.htm> and follow the course links to the topic outlines and print the appropriate one before it is covered in class. These outlines are useful study guides that often point you to specific pages or figures in the textbook that are considered important.
 - c. Before the start of each new lecture topic, I will send you a copy of my PowerPoint lecture slides minus any photographs. You can print these out as "handouts" 6 slides per page and use these to aid taking notes.
 - d. After each topic is completed (about once a week), you should again look over your entire notes for that topic and carefully read the assigned text. At this point, if you have any questions at all concerning this material, you should raise them in class or see me for clarification.
 - e. If you wish to tape lectures, I have no objections so long as it does not disrupt class.
3. Grades - Each of the three tests is curved upward to achieve a class average of 75%. Pop quizzes scores are added as bonus points to the test totals at the end of the semester. The exact final grade cutoffs are typically around about 90% (A) 80%; (B) 70%; (C) 60% (D) which include plus and minus grades. Remember, your grade is determined solely by your curved test scores (total = 350 points plus any bonus points). The pop quizzes and attendance points are the ONLY way to earn extra credit---there are NO other ways to earn extra credit (i.e., no papers, projects, etc.) only the pop quizzes and attendance.
4. Make-up Tests - Make-up tests should be avoided if at all possible. If you miss a test, you should check with me to arrange to take a make-up test. If you miss TEST I, please arrange to take the make-up BEFORE fall break (by October 5th). If you have not taken Test I by October 30, please drop (withdraw from) the course (W grade on or before October 30) Note: there are no make-ups available for the bonus "pop quizzes" regardless of the validity of the excuse.
5. IN, W -Grades **NOTE: INSTRUCTORS CAN NO LONGER GIVE IW (DROP) GRADES**

W grade: You should know your Tests #1 & #2 scores before the October 30th drop date. If you do poorly on these tests and decide to "drop the course", you must go to the registrar's office and withdraw from the course on or before Friday October 30th or you will receive a letter grade in the course (A-F).

IN grade: The *IN* (incomplete) grade will be given only under unusual circumstances and the student must arrange for an *IN* with me prior to the final exam.

NOTE: If you take one or two tests (but not all three) the missing test score(s) may be averaged as a zero and you will receive a grade for the course, most likely an *F*, unless you have discussed this with me prior to the final exam.
6. Attendance- Class attendance is encouraged and a roll sheet will be circulated each class period. Please make sure to place a check by your name before you leave class. Please do NOT come to class just to sign the attendance sheet and then leave. Perfect or near perfect attendance can add a few bonus points to your total score and can make a positive difference for a borderline grade.
7. Office Hours - My official office hours are from 12:30-1:30 M-F or by appointment; however, I am generally available most hours of the day. If you have trouble understanding any material, please do not hesitate to drop by and get a clarification.
8. EEES 1020: Introductory Geology Lab (1 hr.). Most students that take the lab find it helpful. The lab parallels the lecture course and provides hands-on experience in mineral and rock identification as well as topographic map work that examines landscapes formed by different surface processes. However, the lab is not required and is not necessary in order to do well in the course.
9. DO NOT DISRUPT CLASS by talking during class, leaving class early or arriving late, receiving calls on your cell phone during class, etc.
10. CHECK YOUR UT EMAIL REGULARLY---I frequently communicate with class via email