

GEOG 1710 LAB
FALL 2016
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University of North Texas at Dallas
Fall 2016 SYLLABUS
GEOG 1710.301 Earth Science Lab 0hrs
Division of Liberal Arts & Life Sciences

Instructor: Steve J. Gaciri
Office: Founders Hall, room 305
Email: steve.gaciri@my.unt.edu
Office Hours: Saturday 8:00-9:00am
Dept. main #: 972.338.1502
Lab time: Saturday 12:00-1:50pm
Lab room: Founders Hall, Room 255

Objectives:

Labs are designed to reinforce material learned in lectures and from textbook readings. Labs provide a practical experience that compliments theory covered in lectures. Exercises incorporate techniques commonly used in earth science (statistical methods, graphical analysis, physical models, mathematical equations, map work, weather observation).

Attendance Policy:

Attendance is required. Make-up exams/quizzes will not be given unless prior permission from the instructor is obtained. Illness must be verified by a doctor's note or hospital release. A copy of such documentation must be presented before a make-up will be scheduled. The exam/quiz must be made up within one week of your return from absence. Failure to meet these requirements will result in a "0" for that exam/quiz. Attendance is recorded upon completion of each lab.

Text and Materials:

Earth Science Laboratory Manual, Harry F.L. Williams 20th Edition, 2011, will be required. Your textbook will also be used to supplement the Lab Manual. You will be supplied with some materials for labs, such as barometers, maps, etc.

You will need to bring: 1) calculator, 2) ruler, 3) pencil, and 4) eraser.

Lab procedure:

Each week lab will proceed as follows:

1. Short quiz over the previous week's material
2. Brief instruction & defining key terms
3. Lab exercise over new material (group work)
4. Show me your work & sign out.

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Grading:

You must pass the lab to pass the course, regardless of your lecture grade. No exceptions! Only one grade is given for the course (lab and lecture combined). The Lab grade counts as 30% of the course grade. The Lab is graded as follows:

Attendance/completeness: 40%

Homework: 10%

Weekly Quizzes: 50%

You must attain a composite lab score of 60% or higher to pass the lab. All grades for the course will be final unless there was a computational error. There is **no extra credit**.

Letter grades are assigned as follows:

A 90-100%,

B 80-89%,

C 70-79%,

D 60-69%,

F 60% & below.

Homework:

There are 2 homework assignments (for Labs 9 & 11). You must complete the Homework Assignment **prior** to coming to that lab. I will be checking for completeness of the assignment at the beginning of the lab session.

Quizzes:

At the beginning of each lab you will take a 10-15 question quiz over the previous week's exercise.

Questions will be over key terms, concepts, and information you learned by doing the exercise.

Questions will be short answer, fill-in-the-blank, true/false, & multiple choice

IMPORTANT-----*Some short answer question/s will be about "Science" knowledge.*

Information for these questions can be found at the following website:

http://www.geog.unt.edu/~williams/GEOG_1710/science.htm

Email:

Check your UNT email for messages from me. You can have your UNT account forwarded to any other email address, if that is more convenient. If I need to send out a message to the class, or contact you, I will use your UNT Eagle Mail account.

HINTS FOR SUCCESS In Lab:

1) Come to every lab session and work through the lab. When you skip a lab session, you get a 0 for a quiz grade and you miss the opportunity to learn the material for your next quiz. (So, you hurt yourself in multiple ways!—No attendance grade and 2 quizzes that you miss or don't know the material.)

2) Review the previous lab's content to prepare for the weekly quiz, given at the beginning of the Lab session.

3) If you don't understand, ask questions!

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DEPARTMENTAL LAB POLICIES:

Policy on Students with Disabilities:

The University of North Texas Dallas faculty is committed to complying with the Americans with Disabilities Act (ADA). Students' with documented disabilities are responsible for informing faculty of their needs for reasonable accommodations and providing written authorized documentation. Grades assigned before an accommodation is provided will not be changed as accommodations are not retroactive. For more information, you may visit the Student Life Office, Suite 200, Building 2 or call Laura Smith at 972-780-3632. Please present your written accommodation request before the 12th class day so that I can make the necessary arrangements needed.

Policy on Extra Credit:

This class does not offer extra credit assignments (work not specified on a course outline) under any circumstance.

Academic Integrity:

Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of Academic Integrity policy. Any person suspected of academic dishonesty (i.e., cheating or plagiarism) will be handled in accordance with the University's policies and procedures. Refer to the Student Code of Academic Integrity at http://www.unt.edu/untDallas/policies/Chapter%2007%20Student%20Affairs,%20Education,%20and%20Funding/7.002%20Code%20of%20Academic_Integrity.pdf for complete provisions of this code.

In addition, all academic work submitted for this class, including exams, papers, and written assignments should include the following statement:

On my honor, I have not given, nor received, nor witnessed any unauthorized assistance that violates the UNTD Academic Integrity Policy.

Classroom Courtesy/Student Conduct:

Please follow these guidelines to avoid disrupting the class:

- (1) Put away cell phones, mp3 players, and ear buds.
- (2) Do not arrive late or leave early (except for a bathroom break or emergency).
- (3) Do not sleep or eat during class.
- (4) Do not work on other assignments during class.
- (5) Do not talk when the instructor is lecturing, unless prompted for feedback by the instructor.

Earth Science Lab Schedule-Fall 2016

| <u>DAY</u> | LABORATORY TOPICS | EXERCISES |
|------------|--|------------------|
| 08/27/2016 | Lab Session 1 – Part 1: General Information | |
| 09/03/2016 | Lab Session 1 - Part 2: The Science in Earth Science | Exercise 1 |
| 09/10/2016 | Lab Session 2- The Grid System | Exercise 2 |
| 09/17/2016 | Lab Session 3 – Aerial Photographs, Satellite Images and Topographic Maps* | Exercise 3 |
| 09/24/2016 | Lab Session 4 –Earth-Sun Relationships | Exercise 4 |
| 10/01/2016 | Lab Session 5–Solar Radiation and Heating | Exercise 5 |
| 10/08/2016 | Lab Session 6 – Weather Observations | Exercise 6 |
| 10/15/2016 | Lab Session 7 – Weather Models | Exercise 7 |
| 10/22/2016 | Lab Session 8 – Climatic Regions | Exercise 8 |
| 10/29/2016 | Lab Session 9 – Rocks and Mineral | Exercise 9 |
| 11/05/2016 | Lab Session 10 – Plate Tectonics | Exercise 10 |
| 11/12/2016 | Lab Session 11 –Weathering and Soils | Exercise 11 |
| 11/19/2016 | Lab Session 1i2 – Fluvial Processes | Exercise 12 |
| 11/26/2016 | Presentations | |
| 12/03/2016 | No Lab –Pre-finals week | |
| 12/10/2016 | No Lab –Lecture Final Exam Week | |