University of North Texas at Dallas
Spring 2013
SYLLABUS

Course Abbreviation/Number/Title/Semester Hrs.
GEOG1710D.391: Earth Science Laboratory: 0 Hrs.

Department of Life and Health Sciences	**Division of Liberal Arts and Life Sciences**

Instructor Name:	Dr. Lynda Folts
Office Location:	Room 305, Founder's Hall (Building 2)
Office Phone:	(972) 322-4265
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Office Hours:	Tuesday: 7:15 - 8:15 am Thursday: 7:15 -8:15 am (or by appointment)
Virtual Office Hours:	N/A

Classroom Location:	Room 255, Founder's Hall (Building 2)
Class Meeting Days & Times:	Friday 10:00 am – 11:50 am

Course Catalog Description:	Principles and processes of physical geography. Introduction to mapping, weather and climate, soil and vegetation, and landforms of rivers, coasts and deserts. May be used to satisfy a portion of the Natural Sciences requirement of the University Core Curriculum.

Prerequisites:	None
Co-requisites:	GEOG 1710D.091 Lecture

Required Text:	*Earth Science Laboratory Manual*, 21st Edition, 2012, 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.

Recommended Text and References:	

Access to Learning Resources:	UNT Dallas Library: phone: (972) 780-3625; web: http://www.unt.edu/unt-dallas/library.htm UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: 1012mgr@fheg.follett.com

Course Goals or Overview:

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). The goal of this course is to introduce students to earth science and to give students the background information needed to critically think about current earth processes. Topics will include basic earth processes, a review of environmental issues, and resource management theories. The course

	will include discussions of current environmental and conservation challenges, many of which do not have a clear-cut solution. Students should be willing and able to voice and defend their opinions on these subjects as well as be respectful of the opinions of others. Students will be evaluated based on lab work, quizzes and assignments.
Learning Objectives/Outcomes:	At the end of this course, the student will
1	Demonstrate the ability to assimilate and critically think about earth and its related scientific processes and associated theories.
2	Demonstrate the ability to assimilate and critically think about environmental issues and related legislation.
3	Explain the various roles of earth processes in the environment, and discuss the interrelatedness of living organisms, earth processes, as they relate to human cultural and societal needs.
4	Be able to accurately explain the changing processes on earth and social, economic, and biological changes needed to ensure humanities quality of life for the future.
5	Identify the major attributes and characteristics of the earth's major ecosystems and explain the role they play in economically important ecosystem services.

Course Outline

This schedule is subject to change by the instructor. Any changes to this schedule will be communicated by the instructor during class.

Laboratory Schedule

Date	Quiz	Lab Exercise Topic
1-18	No quiz	Course Overview & Syllabus
1-25	No quiz	Lab 1: The Science in Earth Science
2-1	Q 1 (lab 1)	Lab 2: Grid Systems
2-8	Q 2	Lab 3: Topographic Maps
2-15	Q 3	Lab 4: Earth-Sun Relationships
2-22	Q 4	Lab 5: Solar Radiation & Heating
3-1	Q 5	Lab 6: Weather Observation
3-8	Q 6	Lab 7: Weather Model
3-15		Spring Break!!!!
3-22	Q 7	Lab 8: Climatic Regions ***Bring text book*** [**REMINDER:** Do Lab 9 Homework Online before next lab class at: http://www.geog.unt.edu/~williams/GEOG_1710/geog_1710_labs.htm]
4-5	Q 8	Lab 9: Homework Due Lab 9: Rocks and Minerals
4-12	Q 9	Lab 10: Plate Tectonics; [**REMINDER:** Do Lab 11 Homework Online before next lab class at same web address used for Lab 9 homework]
4-19	Q 10	Lab 11 Homework Due Lab 11: Soils and Vegetation
4-26	Q 11	Lab 12: Fluvial Processes
4-26	Q 12	After lab exercise
5-2		No lab class. Study for your finals!
5-7		Final Exam Week—NO LAB CLASS

Course Evaluation Methods

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.

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.

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!

University Policies and Procedures

Students with Disabilities (ADA Compliance):
The University of North Texas Dallas faculty is committed to complying with the Americans with Disabilities Act (ADA). Any student requesting academic accommodations based on a disability is required to register with Disability Services each semester. A letter of verification for approved accommodations can be obtained from this office. Please be sure the letter is delivered to me as early in the semester as possible. Disability Services is located in the Student Life Office in DAL2, Suite 200 and is open 8:30 a.m. – 5:00 pm, Monday through Friday. The phone number is (972) 338-1775.

Student Evaluation of Teaching Effectiveness Policy:
The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class.

Assignment Policy:
Assignments should be turned in on time. Late assignments will be graded, but with a penalty of 10% each day it is late.

Exam Policy:
Exams should be taken as scheduled. No makeup examinations will be allowed except for documented emergencies (See Student Handbook). Students are allowed to take make-up one missed exam, with proper documentation. The instructor must be contacted within 24 hours of the exam to schedule a make-up. A makeup exam must be taken within one week of the original exam. If a student knows in advance that they will miss an exam, they must take the exam prior to the exam date. There is no make-up for the second or subsequent missed exams. Students should arrive on time to take the exam. On exam day, once the first exam is turned in, no more exams will be distributed to students that arrive late to the exam period. Any student caught cheating will automatically receive a 0 on the exam, and the instructor may pursue further disciplinary action.

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/unt-dallas/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.

Bad Weather Policy:
On those days that present severe weather and driving conditions, a decision may be made to close the campus. In case of inclement weather, call UNT Dallas Campuses main voicemail number (972) 780-3600 or search postings on the campus website www.unt.edu/dallas. Students are encouraged to update their Eagle Alert contact information, so they will receive this information automatically.

Attendance and Participation Policy:
The University attendance policy is in effect for this course. Class attendance and participation is expected because the class is designed as a shared learning experience and because essential information not in the textbook will be discussed in class. The dynamic and intensive nature of this course

makes it impossible for students to make-up or to receive credit for missed classes. Attendance and participation in all class meetings is essential to the integration of course material and your ability to demonstrate proficiency. Students are responsible to notify the instructor if they are missing class and for what reason. Students are also responsible to make up any work covered in class. It is recommended that each student coordinate with a student colleague to obtain a copy of the class notes, if they are absent.

Diversity/Tolerance Policy:
Students are encouraged to contribute their perspectives and insights to class discussions. However, offensive & inappropriate language (swearing) and remarks offensive to others of particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Disruptions which violate the Code of Student Conduct will be referred to the Office of Student Life as the instructor deems appropriate.

Use of Electronic Gadgets in the Classroom:
You are allowed to take notes using laptops/iPads/etc. You are allowed to record the lectures. The instructor reserves the right to ask you to discontinue use of an electronic device, if it becomes disruptive to others in the classroom.

Food/Drink Policy
No food or drinks are allowed in the classroom or the laboratory, except for water.