

GEOGRAPHY 1401: Weather and Climate Lab

Spring semester, 2018 -- LDB #321

COURSE DESCRIPTION AND OBJECTIVES: The lab portion of *Weather and Climate* is an activity-related treatment of the basic components of meteorology and climatology, and how they affect humans. See detailed course outline for specific topics. Each chapter in the lab manual gives specific objectives for that chapter. Each lab is designed to last a full 1 hr. and 50 minutes.

LAB INSTRUCTOR: _____ e-mail: _____

OFFICE HOURS: (LDB #311) Lab instructors have one office hour per week at a time to be announced.

LAB QUESTIONS?

Head Lab Instructors: *Becky Ethridge* ree008@shsu.edu and *Agustina Musso-Core* axm146@shsu.edu;
LDB 311; 936-294-3509

Lab Coordinator: *Ava Fujimoto-Strait* axf011@shsu.edu; LDB 335; 936-294-2355

MATERIALS:

- 1) Netoff, et al., 2017. *eWeather and Climate*. The Start Group. [The ebook (*course textbook is recommended*) can be downloaded from the website/password stamped on the front page of your lab manual].
- 2) Netoff and Fujimoto-Strait, 2014. *Weather and Climate*. The Start Group. (*The lab manual is required* – and can be purchased from the campus bookstore OR Homegrown Marketplace).
- 3) Other materials: #2 pencil, non-programmable calculator, and 11 scantron forms 815E (15 questions).

Access to a computer: answers and explanations to lab manual questions are available by accessing the online course material for GEOG 1401:

http://www.shsu.edu/~dl_www/bkonline/111online/LabCourseHome/L00index.htm

GRADING POLICY: The lab is worth 25% of your lecture grade. There are eleven (11) components to your lab grade. The lab grade is based on the average of the *lab manual grade* and the *best 10 of 11 quizzes*. Missed quizzes count as a zero. Quizzes are given at the beginning of each lab. If you leave lab after your quiz, you will receive a zero on that quiz. Lab quiz #11 will mainly focus on lab 11, however, will also have cumulative lab questions and serve as the final lab quiz.

The lab percentages will be converted to a letter grade based on the following scale:

A.....90-100%; B.....80-89%; C.....70-79%; D.....60-69%; F.....<60%

ATTENDANCE POLICY: Please attend all labs with all of the required materials. *Tardies count as absences*. Two absences are allowed per semester. Each absence in excess of two will result in a reduction of ten (10) points from *your lab course average and will also lower your overall quiz average*. Students who *leave the lab early will be counted absent* and will receive a zero on their quiz. **THERE ARE NO MAKEUP LABS OR QUIZZES.** *Students may not attend labs other than those that they are assigned to.* Students that request special considerations (e.g., learning disabilities) need to arrange a conference with the lab coordinator within the first week of the start of labs & will need to provide documentation from the counseling office.

CLASS CONDUCT: Students who are repeatedly *disruptive in lab* (e.g., excessive talking, interrupting the lecture, sleeping, leaving class prematurely, *use of cellular phone**) may be permanently removed from the class at the discretion of the lab instructor and/or Ava Fujimoto-Strait.

CHEATING , DISHONESTY AND PLAGIARISM**, as defined in the *Faculty Handbook* and *Student Handbook* will not be tolerated and may, at minimum, result in course failure.

LAB SCHEDULE – Spring 2018

Please read the introductory pages in the lab manual that pertain to that week's lab *prior to attending lab*. You may also wish to read ahead in the appropriate chapters of the eBook prior to lab. You can access help and lab answers, sample questions, etc. via the computer at the website given on the front side of this syllabus under MATERIALS.

LAB Week	LAB EXERCISE
January 29 – February 1	1 – Maps
February 5 – February 8	2 - Earth-sun relationships, quiz #1 (Maps)
February 12 – February 15	3 – Temperature, quiz #2 (Earth-sun relationships)
February 19 – February 22	4 - Weather observation, quiz #3 (Temperature)
February 26 – March 1	5 - Pressure and winds, quiz #4 (Weather observation)
March 5 – March 8	6 - Atmospheric moisture, quiz #5 (Pressure and winds)
March 12 – March 15	Spring Break – NO LABS
March 19 – March 22	7 – Adiabatics, quiz #6 (Atmospheric moisture)
March 26 – March 29	8 - Air masses, quiz #7 (Adiabatics)
April 2 – April 5	9 - Weather maps, quiz #8 (Air masses)
April 9 – April 12	10 - Violent storms, quiz #9 (Weather maps)
April 16 – April 19	11 - Global climates, quiz #10 (Violent storms)
April 23 – April 26	Cumulative final lab quiz (mostly quiz #11 on Global climates) – turn in lab manuals!

*A University policy statement regarding the use of cell phones and similar devices in the classroom was approved by President Dana Hoyt on 11/04/2010. The three-part statement greatly restricts the use of such electronic devices & indicates that even the visible presence of such a device during an exam or quiz constitutes cheating.

In order to avoid confusion or misinterpretation regarding the use of cell phones and similar devices in the GEOG 1401 classroom, *our policy is to prohibit their use during the lab*. This necessarily includes the use of laptops, since they can serve the same function as cell phones and similar devices. Arrangements for handling potential emergency cases may be granted at the discretion of the instructor.

** University policies pertaining to plagiarism, class conduct, cheating, dishonesty, etc. are available in the *Student Handbook*, which can be obtained online or in hard copy.