

## GEOGRAPHY 1L – Physical Geography Laboratory

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<b>Instructor:</b>	Darrel Hess
<b>Meetings:</b>	Wednesday, 1:40 – 4:30 P.M., Science Hall, Room 45
<b>Office:</b>	Science Hall, Room 43 (Room 43 is in the back of the Earth Sciences Lab, room 45)
<b>Office Hours:</b>	MWF 11:00-11:45 A.M.; Monday 1:00-1:45 P.M.; & Wednesday evening 6:00-6:30 P.M.
<b>Telephone:</b>	Instructor Office and Voice Mail: (415) 239-3104
<b>E-mail:</b>	E-mail address: dhess@ccsf.edu <i>When leaving a message, please clearly provide your full name and your course section. Note: The instructor rarely responds to voice mail or e-mail at night or on the weekends.</i>
<b>Web Sites:</b>	<i>Instructor:</i> <a href="http://fog.ccsf.edu/dhess/">http://fog.ccsf.edu/dhess/</a> <i>Earth Sciences Department:</i> <a href="http://www.ccsf.edu/Earth/">www.ccsf.edu/Earth/</a>

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**Overview of Course:** Geography 1L is an introductory laboratory course in Physical Geography. Geography 1L complements the Geography 1 lecture course in the study of weather and climate, tectonic processes, and the development of landforms. The emphasis of the laboratory work is on the interpretation of weather maps, climatic data, aerial photographs and topographic maps. Two Wednesday afternoon field trips are also required. Geography 1L is accepted for credit as a Physical Science Laboratory course by the California State University system; Geography 1L is accepted for credit by the University of California campuses; Geography 1L also satisfies the IGETC Physical Science Laboratory requirement.

**Prerequisite:** Geography 1, which may be taken concurrently.

**Student Learning Outcomes:** Students can access the Learning Outcomes for this course by going to the Earth Sciences Department website ([www.ccsf.edu/Earth/slo](http://www.ccsf.edu/Earth/slo)); scroll down to *Course Outcomes* and click on GEOG 1L.

### Lab and Exam Schedule

Month	Day	Lab Topics
January	16	Introduction to Course; Introduction to Exercise 1 ( <i>Magnetic Compasses; Math Review</i> )
	23	Exercise 1—Field Mapping, GPS, and Map Scale
	30	Exercise 2—Solar Angle and Time Zones
February	6	<b>Quiz #1</b> ; Exercise 3—Insolation and Temperature Patterns
	13	Exercise 4—Atmospheric Pressure and Wind
	20	Exercise 5—Humidity and Adiabatic Processes
	27	Exercise 6—Weather Maps and Satellite Images
March	6	Review and Open Lab
	13	<b>Midterm Exam</b>
	20	Introduction to Exercise 7 ( <i>Topographic Maps; Public Land Survey; Stereo Aerial Photographs</i> )
	27	<i>No Class—Spring Break</i>
April	3	Exercise 7—Topographic Maps & Stereograms
	10	Review and Open Lab
	17	Exercise 8— <b>Field Trip: Hayward Fault</b> ( <i>Note: If the field trip is postponed we'll do Quiz #2 and Exercise 9</i> )
May	24	<b>Quiz #2</b> ; Exercise 9—Faulting and Volcanism
	1	Exercise 10— <b>Field Trip: Twin Peaks</b> ( <i>Note: If the field trip is postponed we'll do Exercise 11</i> )
	8	Exercise 11—Drainage Basins, Floodplains, and Mass Wasting
	15	Exercise 12—Desert and Glacial Landforms
	22	<b>Final Exam, 2:00 – 4:00 P.M.</b>

## INFORMATION & COURSE POLICIES

- Attendance:** You are expected to attend lab regularly and to arrive on time (lab begins promptly at 1:40 P.M.). Because most of the lab exercises require materials available *only* in the Earth Sciences laboratory, it is *very* difficult to make up a missed lab. **Contact the instructor ahead of time if you must miss a lab**, however, the instructor is under no obligation to make lab materials available at times other than his office hours. A student may be dropped from the course after three unexcused absences **or if a quiz or exam is missed and the instructor is not contacted within one week**. As a courtesy to your fellow students and to the instructor, please silence the ringtone on your cell phone and refrain from texting during class; **under no circumstances should a cell phone be used in class or during an exam**. No food or drinks are allowed in the lab—thanks.
- Supplies:** A simple electronic calculator will be useful for some exercises and exams.
- Reading:** A background information handout will accompany most lab exercises—**please read these handouts thoroughly before lab**. Additional background reading in the textbook, *McKnight's Physical Geography*, 10th edition, by Hess will be noted for each exercise (students may use the “Second California Edition,” the *à la Carte* [“loose-leaf”] version, or an “eTextbook” version of the textbook). Several copies of the textbook are on 2-hour reserve in the library.
- Assignments:** Twelve laboratory exercises (worth 25 points each) will be assigned during the semester. Each will be passed out in lab and is due by the end of lab that day. Students who have not finished their exercises by 4:30 P.M. may sign out and **leave the unfinished lab exercise with the instructor**; additional lab time may then be arranged with the instructor to complete the lab (there is no guarantee that the additional lab time will be convenient for you!); the completed exercise should be turned in no later than the following week at the *beginning of lab*. **Students who leave lab earlier than 4:30 P.M. are not eligible for this time extension**. Late assignments may be penalized 10 points for each lab meeting late. *If you are ill on the day an exercise is due to be completed you must call or e-mail the instructor to avoid this penalty*. Exercises more than two weeks late may not be accepted.
- Field Trips:** Two off-campus Wednesday afternoon field trips are required. The field trips may run slightly past 4:30 P.M. Students must arrange their own transportation to and from field trip sites. The field trip to Hayward is easily accessible by BART (the current cost of a roundtrip is \$9.90). **In case of rain, a field trip may be postponed until the following week and we'll do the next week's exercise (and quiz, if scheduled) in lab**.
- Exams & Quizzes:** Two short (40-minute) quizzes and two two-hour exams will be given. The exams and quizzes will be a combination of problem solving and short answer questions. Questions based on maps or photographs will also be included. The final exam will be comprehensive.
- Peer Mentoring:** In addition to instructor office hours, student peer mentoring will be available in the Earth Sciences Laboratory (Science Hall, Room 45); the mentoring schedule will be posted early in the semester.
- Special Needs & Emergencies:** If you need classroom or testing accommodations because of disability, need to relate emergency medical information, or require special arrangements in case of building evacuation, please make an appointment with the instructor as soon as possible. Students seeking disability-related accommodations should contact Disabled Students Programs and Services (DSPS) in Room 323 of the Rosenberg Library (415-452-5481). In case of building evacuation students should leave through the nearest exit, then move away from the building.
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| <b>Course Requirements:</b> | 12 Lab Exercises: | 25 points each | 300 points        |
|                             | Quizzes:          | 50 points each | 100 points        |
|                             | Midterm Exam:     | 100 points     | 100 points        |
|                             | Final Exam:       | 100 points     | <u>100 points</u> |
|                             |                   | Course Total   | 600 points        |
- Grading Standards:** A 90.0% - 100%      B 80.0% - 89.9%      C 65.0% - 79.9%      D 50.0% - 64.9%
- Make-ups:** **Make-up exams, quizzes, lab exercises, and field trips are allowed only under extenuating circumstances and must be arranged in advance** (the instructor must be contacted *before* the scheduled exam time, quiz time, or field trip). Make-up exams and quizzes may be in a format that is different from the regular exams. No extra credit assignments are given, however, students receiving less than a C on the midterm exam may correct their answers and boost their scores up to a low C (this option is not available for the quizzes or final exam).
- Cheating:** Since you're reading this section, you're probably a conscientious student who would never think of cheating. Less prudent students found cheating will receive 0 points on that exam or quiz and may have an additional 100 points deducted from their course total. In addition, the Dean of Student Advocacy, Rights and Responsibilities may be contacted to assess the need for further action on the part of the College.