

Physical Geography Lecture

Instructors:	Aharon de Grassi and Suzanne Cozzolino Maher
Lectures:	Monday and Wednesday classes: 10:30-11:45am (section 001- 32985) 12:00-1:15pm (section 002-32986)
Classroom:	Building C500, Room 505
Textbook:	<i>McKnight's Physical Geography—2nd, 3rd, or 4th California Edition</i> , by Darrel Hess <i>Any recent format of the textbook may be used although the paperback "Third California Edition" is recommended</i>
Office:	Suzanne Cozzolino Maher 401C & Aharon de Grassi 401J
Office Hours:	Suzanne Cozzolino Maher: M/W 1:30-2:30, Tu 12-2, Th 1-2 Aharon de Grassi: Wednesdays 1:30–2:30pm <i>(If these hours do not work with your schedule let me know)</i>
Contact:	Aharon de Grassi's email address: adegrassi@chabotcollege.edu Suzanne Maher's email address: smaher@chabotcollege.edu <i>When leaving a message, please clearly indicate your full name and course section</i> <i>Note: The instructor rarely responds to e-mail or phone messages at night or on the weekends</i>

Overview: Earth's natural environments, with emphasis on spatial characteristics, change over time, interactions between environmental components, and human-environment interactions. Physical processes, techniques, and tools by which Earth's climates, soils, vegetation, water resources, and land forms are linked into integrated global patterns. Effect of natural environments on human activities and how humans modify environments.

In this course we will explore questions such as:

- Why are rivers shaped the way they are?
- What causes fog?
- How are the Earth's soils changing?
- Why are glaciers important to making the planet livable?
- Why do some clouds look flat and others round?
- Where do hurricanes come from?

Student Learning Outcomes for Geography:

1. Assess the usefulness of the technologies of Geographic Information Systems and Remote Sensing in observing and modeling physical processes
2. Critically differentiate regional similarities and contrasts in climate types, landform styles, biomes
3. Describe the individuals' role in his/her natural environment.
4. Identify techniques in observation that could be used to recognize and/or classify a roadside landform and rocktype

Course Outline for Geography 1

Upon completion of this course, the student should be able to:

1. apply the techniques and tools of geography (e.g., locational reference systems, geographic information systems, maps, remotely-sensed imagery) to the interpretation of spatial information;
2. apply the great circle concept and longitudinal space-time relationships to the solution of practical distance and time problems;
3. describe how cartographic representations of spatial information are affected by relationships between map scale, detail, and coverage area and by the basic map properties and distortions inherent in map projections;
4. apply knowledge of atmospheric processes, air/sea interactions, weather elements/events, and climate controls to the classification, properties, and distribution of world climate types;
5. identify the major types of environmental evidence observed in monitoring climate change, as well as the causes and consequences of global warming;
6. observe, describe, and explain the origins, characteristics, spatial distributions, interactions, and integrated patterns of climate, soils, vegetation, water resources and landforms;
7. explain how landforms are the result of the interaction of internal tectonic forces and external geomorphic processes and apply that knowledge to an appreciation and understanding of specific landform origins, processes and types;
8. apply knowledge of the distribution of resources, environmental hazards, and human-environmental interactions to rational decision-making processes and activities which affect the habitability of Planet Earth.

Course Schedule: The exact dates for each topic may change as the course progresses, but the overall structure, and the readings assigned to each topic, will not. Additional reading and assignments will be assigned in class.

Dates (Approx.)	Topic	Textbook Chapters
M, Jan 14 W, Jan 16	Introduction to Physical Geography, Earth Sun relations	Chapter 1
M, Jan 21	Holiday	
W, Jan 23 M, Jan 28	Intro to the Atmosphere	Chapter 3, Study Guide 1
W, Jan 30 M, Feb 4	Insolation and Temperature	Chapter 4, Study Guide 2
W, Feb 6 M, Feb 11 W, Feb 13	Air Pressure and Wind, El Nino	Chapter 5
M, Feb 18	Holiday	
W, Feb 20	Water, Relative humidity	Chapter 6, Study Guide 3 (141-2, 151-75)
M, Feb 25	Review	
W, Feb 27	Exam	
M, Mar 4	Global Precip. Patterns; Air Masses; Storms	Chapter 7
W, Mar 6 M, Mar 11 W, Mar 13	Global Climate; Climate Change	Chapter 8
M, Mar 18	Glaciers	Chapter 19 (541-51, 560-6, 568-9), Study Guide 4
W, Mar 20	Hydrosphere	Chapter 9
M, Mar 25 W, Mar 27	Spring Break	
M, Apr 1	Biosphere: Cycles	Chapter 10 (281-99)
W, Apr 3	Flora	Chapter 11 (307-19)
M, Apr 8	Soils	Chapter 12 (344-65)
W, Apr 10	Internal Processes (not on Exam 2)	Chapter 14 (see Canvas)
M, Apr 15	Review	Study Guide 5
W, Apr 17	Exam	
M, Apr 22	Internal Processes	Ch14 (boundaries & faults)
April 22-25	Earth Week at Chabot	
W, Apr 24 M, Apr 29	Preliminaries to Erosion	Chapter 15 (mass wasting)
W, May 1 M, May 6	Fluvial processes	Ch16 (all except last sectn)
W, May 8 M, May 13	Coastal processes	Study Guide 6 (May 8) Chapter 20
W, May 15	Last day of class - Review/Catch up	
M, May 20	Final Exam 10:00am -1150am (only for 10:30-11:45 section 001)	
W, May 22	Final Exam 12:00 - 1:50 pm (only for 12:00-1:15 section 002)	

INFORMATION & COURSE POLICIES

Attendance: You are expected to attend lecture regularly and to arrive on time. Chabot's attendance policy is that a student may be dropped from the course after 4 consecutive classes missed, or 6 cumulative instructional periods missed, or 2 consecutive weeks missed. However, it is the responsibility of the student to drop the course and it is not guaranteed the instructor will drop you.

Textbook: Either the 2nd, 3rd, or 4th California edition of the textbook may be used. You can purchase the 4th edition of the textbook in the bookstore, but the 2nd and 3rd editions are available online at a lower price. Buyback options are possible (3-5 books) at the end of the semester in the bookstore for 50%.

Internet Resources: All lecture presentations can be found on the course Canvas page. Please be sure that you have an active Canvas username and password, as well as an active Chabot email account (or have your Chabot account forwarded to your other email account) as I will be contacting you through this email. It is your responsibility to check your Chabot email several times per week.

Exams: The exams will be a combination of short answer and multiple choice questions; questions based on diagrams and photographs may also be included. *If you must temporarily leave the classroom during an exam, you must leave your exam paper and your phone with the instructor until you return.*

Make-up Exams: *Make-up exams are allowed only under extenuating circumstances and should be arranged in advance.* Make-up exams may be in a format that is different from the regular exams. *No extra credit assignments* are given.

Assignments: 10 short 10-point assignments will be given during the semester in the first 10 minutes of class. *No make-up assignments are given and you must be in class on time to turn in assignment.* The best 8 assignment grades are recorded for a maximum total of 80 points during the semester.

Study guides: Six Study guides each worth 35 points are due through the semester. These are roughly 3 weeks apart and are study questions that will be posted in Canvas. *Late assignments may be penalized 5 points for each lecture day late.* Exercises more than two weeks late may not be accepted.

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 Chabot College's (DSRC) Disabled Students Resource Center, located in building 2400 at (510) 723-6725. During the Fall and Spring semesters, the DSRC office is open from 7 am to 7 pm; Monday through Thursday, and Friday from 7am-2pm. The website is available at <http://www.chabotcollege.edu/DSRC/>. In case of building evacuation students should leave through the nearest exit, then move away from the building

Course Requirements:

3 exams	100 points each	300 points
Assignments/quizzes (best 8 of 10)	10 points each	80 points
6 study guides	35 points each	210 points
	<i>Course Total:</i>	<i>590 points</i>

Grading Standards: A 90.0% - 100% B 80.0% - 89.9% C 70.0% - 79.9% D 60.0% - 69.9%

Cheating: The term "cheating" includes, but is not limited to: fraud deceit, or dishonesty in an academic assignment or using or attempting to use materials, or assisting others in using materials which are prohibited or inappropriate in the context of the academic assignment in questions, such as: copying or attempting to copy from others during an exam or on an assignment, communicating answers with another person during an exam, preprogramming a calculator to contain answers or other unauthorized information for exams, using unauthorized materials, prepared answers, written notes, or concealed information during an exam, or allowing others to do an assignment or portion of an assignment for you, including the use of a commercial term-paper service. Students caught cheating will receive 0 points on that assignment or exam and the dean will be contacted to assess the need for further action on the part of the College.

Student Conduct: Chabot’s policy of student conduct is listed in the catalogue, page 73, or in the Education Code sections 66300 and 66301, Accreditation Standard II.A.7.b. Students are expected to read over the standards. Students who engage in any of the prohibited behaviors are subject to the procedures outlined in AP 5520 titled Student Discipline Procedures.

Important Dates:	Spring 2019 Instruction Begins	January 14
	HOLIDAY – Martin Luther King, Jr. (no instruction)	January 21
	Last day to ADD/DROP with No-Grade-of-Record (NGR) In-person	February 1
	Last day to ADD/DROP with No-Grade-of-Record (NGR) Online	February 3
	Census Day	February 4
	Pass/No Pass Deadline	February 14
	HOLIDAY – President’s Day Weekend (no instruction)	February 15 - 18
	Flex Day	March 7
	SPRING BREAK (no instruction)	March 25 - 30
	Last day to Apply for Degree/Certificate	April 1
	Last day to WITHDRAW with “W” In-person	April 12
	Last day to WITHDRAW with “W” Online	April 14
	Last day of Instruction	May 17
	Final Examination Period	May 20 - 24
	Spring 2019 Grades available via CLASS-Web	Week of June

SPECIAL PROGRAMS

UMOJA: <https://www.chabotcollege.edu/specialprograms/umoja/> The Umoja Community, formerly known at Chabot College as The Daraja Program, is a statewide program that has helped thousands of educationally disadvantaged students graduate and/or transfer to 4-year colleges and universities. This program addresses students’ needs through academic support services and curriculum focused on African American history, literature, and culture.

PUENTE: <http://www.chabotcollege.edu/specialprograms/puente/> Puente was founded in 1981 by the Co-Directors, Felix Galaviz and Patricia McGrath at Chabot College in Hayward. The program mission was to increase the number of Mexican American/Latino students transferring to four-year colleges and universities. Since then, Puente has expanded to numerous community colleges and high schools throughout the United States.

UMOJA and PUENTE offer the following services and more:

Classes – accelerated, transferable, and aligned with your academic goal(s).

Counseling – offering both academic and personal, we help you plan your success and stay motivated.

Community –college tours, host spoken word events, movie nights, support groups, community service, & other activities.

PACE: A multi-semester Learning Community for Working Adults designed for people who need their first two years of college General Education classes. PACE classes are offered evenings and online. Classes are pre-selected.

RISE: A learning community for formerly incarcerated students. As a RISE scholar, you'll have access to staff and support services, school supplies, regular community meetings and study sessions, activities and events. Ultimately, RISE is here to ensure you achieve your educational goals and feel supported along the way.

LEARNING CONNECTION: Program oversees a number of tutoring labs and learning support programs across campus, including the Learning Connection center (LC), the STEM Center, the Writing and Reading Across the Curriculum (WRAC) Center, Language Center (ESL), Communication Studies Lab, and Learning Assistant program.

<http://www.chabotcollege.edu/LearningConnection/>

EL CENTRO: El Centro is a friendly, one-stop resource center for all students and their families, providing assistance and information connecting students to resources you need to accelerate and succeed at Chabot College. They have peer advisors and counselors fluent in Spanish and English, working collaboratively with on-campus services to provide you with a wide range of information such as academic services, financial aid, peer advisors, and counseling.

COUNSELING: <http://www.chabotcollege.edu/Counseling/>

FINANCIAL AID: <http://www.chabotcollege.edu/FinAid/>