

Physical Elements of Geography – B1-L

Instructor: Cheryl Nail (661) 645-6278 cheryl.nail@bakersfieldcollege.edu

Fall 2017 BC Delano Campus – Delano Science and Technology Center – Room 107

TUESDAY 6:00-9:10 pm Office Hours: Tuesdays 5:00 – 6:00 pm

Website: www.cherylnail.com

Lab Manuals:

Thomsen and Christopherson, Applied Physical Geography. 9th ed. Pearson Prentice Hall.

Rand McNally. Goode's World Atlas. 23rd ed. Pearson Prentice Hall.

Materials:

Lab manual, Textbook, Atlas, Calculator, Ruler, Colored Pencils, Graph Paper, Protractor

Lab Objectives:

The purpose of the physical geography lab class is to supply a practical basis for the material covered in the lecture portion of the class. Becoming a good geographer requires basic map reading and interpretation skills. By taking the lab, students have the opportunity to apply specific geographic concepts to real-world problems. Labs will last approximately 3 hours. This should be plenty of time to finish the assignments. If more time is required, I will give you until lecture class the **next day** to complete them. The labs will be done in groups of no more than **3 people**. This is to encourage team work and critical thinking on the part of the students.

Student Learning Outcomes:

1. Analyze the earth as an open physical system where all elements interact with one another.
2. Evaluate how the earth's atmosphere, geology and biological processes shape the earth's surface.
3. Analyze the earth's size, orientation and revolution in space.
4. Analyze the global distribution of Earth's weather, climate, and landform features.
5. Apply the scientific method to real world geographic problems.

Attendance:

All labs must be attended because the assignments are due at the end of each session. BC policy states that if you miss **2 weeks** worth of classes the instructor may drop you from the course. If you miss **1 week** prior to the census date you will be dropped as well.

Students with Disabilities:

Students with disabilities who believe they may need accommodations in this class are encouraged to contact Disabled Student Programs and Services (661) 720-2000, as soon as possible to ensure that such accommodations are implemented in a timely manner.

If you would like extra help with this course, do not delay because BC has, not just one but, four ways that you can get the support you need to be successful in any class on campus:

* The Writing Center (CSS-133) provides one-on-one assistance with a degreed professional so that you can improve your skills in reading and writing in all classes for all purposes.

* The Math Hub (MS-113) offers drop-in, one-on-one tutoring with math consultants to help you crunch those numbers.

* The Tutoring Center (CSS-203) trains students who have been successful in various subjects to be your tutor, sitting down with you one-on-one to encourage and guide you in a specific course.

* SI (Supplemental Instruction) (CSS-193) represents small group learning in which you participate in weekly study groups for a certain course led by competent students (known as SI Leaders).

Don't be afraid to ask for help! Make the choice early on in this class to try one or more of the above free services.

Withdrawal Deadlines:

Last day to drop without a W on your record: **September 5, 2017**

Census Date: **September 5, 2017**

Course Schedule (The following is approximate and may be subject to change)

<u>Week/Date</u>	<u>Lab Assignments</u>	<u>Assessments</u>
Week 1 / Aug 22	L1: Lat/Long L2: Geographic Grid/Time	
Week 2 / Aug 29	Review - L1: Lat/Long Review – L2: Geographic Grid/Time L3: Directions/Compass Readings	
Week 3 / Sept 5	L4: Map Reading/Intpretations	<u>Lab Quiz 1</u>
Week 4 / Sept 12	L5: Earth/Sun Relationships - Daylength L6: Seasons	
Week 5 / Sept 19	L7: Temp Concepts (Sect 1) L8: Temp Patterns (Sect 1)	<u>Lab Exam 1</u>
Week 6 / Sept 26	L9: Temp Maps (Sect 1) L10: Temp/Pressure Profiles (Sect 1&2)	<u>Lab Quiz 2</u>
Week 7 / Oct 3	L11: Atmos. Pressure/Wind Patterns (Sect 1&2) L12: Atmospheric Humidity	
Week 8 / Oct 10	L13: Stability and Adiabatic Processes L14: Weather Maps	
Week 9 / Oct 17		<u>Lab Exam 2</u>
Week 10 / Oct 24	L23: Contours/Topo Maps L24-25: Topo Analysis	<u>Lab Quiz 3</u>
Week 11 / Oct 31	L 26 – 27: Topo Analysis	<u>Lab Quiz 4</u>
Week 12 / Nov 7	L21: Rock Cycle	<u>Lab Exam 3</u>
Week 13 / Nov 14	L19: Plate Tect: Global Patterns L20: Plate Tect: Faulting/Volcanism	<u>Lab Quiz 5</u>
Week 14 / Nov 21	Topography Review	
Week 15 / Nov 29	L29: Biomes L30: Intro to GIS	<u>Lab Quiz 6</u>
Week 16 / Dec 5		<u>Final Exam</u>

Grading:

3 Exams	150 pts. (Each worth a total of 50 pts.)
Final Exam	50 pts.
Labs	500 pts. (Each worth a total of 20 pts.)
Quizzes	40 pts.
Total	740 pts.

College Grading Policy (+90% A, 89-80% B, etc.)

Etiquette: Late lab assignments and missed exams will not be accepted.

Plagiarism:

Bakersfield College does not tolerate academic misconduct such as plagiarism. If a student's assignment is found to be copied directly from another source, the instructor reserves the right to award an F to that student for the assignment.