

GEOG B1L - Physical Geography Laboratory

Instructor: Cheryl Nail

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Spring 2019

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

WEDNESDAY 6:00-9:10 pm

Office Hours: Wednesdays 5:00 – 6:00 pm – Room 107

Website: www.cherylnail.com

Lab Manuals:

Thomsen and Christopherson, *Applied Physical Geography*. 9th or 10th ed. Pearson Prentice Hall.

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

Materials:

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

Lab Objectives:

The Laboratory portion of Physical Geography is designed to demonstrate how material presented in Geography B1 can be applied in a working environment. Assignments are designed to help students understand and apply the concepts learned in the lecture to real world problems. Exercises include using an atlas, coordinate systems, earth-sun relationships, weather and climate analysis, landform development, and topographic map interpretation.

Student Learning Outcomes:

1. Upon completion of the course, the student will be able to analyze the earth as an open physical system where all elements interact with one another.
2. Upon completion the student will be able to: Evaluate how the earth's atmosphere, geology and biological processes shape the earth's surface.
3. Upon completion the student will be able to: Analyze the earth's size, orientation and revolution in space.
4. Upon completion the student will be able to: Analyze the global distribution of Earth's weather, climate, and landform features.
5. Upon completion the student will be able to: 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 needing accommodation, including those who had an IEP or 504 Plan in high school, should make requests to Disabled Students Programs and Services in CSS 10 (661- 395-4334), or Delano room 1001 (661-720-2000). All requests for accommodations require appropriate advance notice to avoid a delay in services. Please discuss approved accommodations with me so we can work together to ensure your access and success at BC.

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: **January 27, 2019**

Census Date: **January 28, 2019**

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 / Jan 16	L1: Lat/Long L2: Geographic Grid / Time	
Week 2 / Jan 23	Review - L1: Lat/Long Review - L2: Geographic Grid / Time L3: Directions/Compass Readings	
Week 3 / Jan 30	L4: Map Reading / Interpretations	<u>Lab Quiz 1</u> – Labs 1-3
Week 4 / Feb 6	L5: Earth/Sun Relationships - Daylength L6: Seasons	
Week 5 / Feb 13	L7: Temp Concepts (Sect 1) L8: Temp Patterns (Sect 1)	<u>Lab Exam 1</u> – Labs 1-6
Week 6 / Feb 20	L9: Temp Maps (Sect 1) L10: Temp/Pressure Profiles (Sect 1&2)	
Week 7 / Feb 27	L11: Atmos. Pressure/Wind Patterns (Sect 1&2) L12: Atmospheric Humidity	<u>Lab Quiz 2</u> – Labs 7-10
Week 8 / Mar 6	L13: Stability and Adiabatic Processes L14: Weather Maps	
Week 9 / Mar 13		<i>Labs 7-14</i>
Week 10 / Mar 20	L23: Contours / Topo Maps L24-25: Topo Analysis	<u>Lab Exam 2</u>
Week 11 / Mar 27	L 26 – 27: Topo Analysis	<u>Lab Quiz 3</u> – Lab 23
Week 12 / Apr 3	L21: Rock Cycle	
Week 13 / Apr 10		<i>Labs 23-27</i>
April 17	No School – Spring Break	
Week 14 / Apr 24	L19: Plate Tect: Global Patterns L20: Plate Tect: Faulting/Volcanism	<u>Lab Quiz 4</u> – Labs 19-21
Week 15 / May 1	L29: Biomes L30: Intro to GIS	<u>Lab Quiz 5</u> – 29-30
Week 16 / May 8		<i>Summative</i>
		<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.

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.