

WLAC WINTER 2015 SYLLABUS– GEOGRAPHY 015 LAB

Course: Physical Geography Laboratory 15 **Section:** 1170 **Units:** 2.00 **Location:** MSA 302

Class Meeting Times: M, T, W, TH. 10:40-11:35 a.m. & 11:40-1:15 p.m. **Class Dates:** 1/5/15-2/6/15

Instructor: Susan White **Email:** susmwhite@hotmail.com or whitesm@wlab.edu **Office Hour:** M, T, W, TH 1:15-1:30 p.m.

Prerequisite: Geography 1 or equivalent, concurrent enrollment in Geography 1

Course Description: Use of maps, weather measurement, and the study of soils, vegetation and landforms are emphasized.

Geography 1 & 15 taken together fulfill Physical Laboratory science credit. (UC:CSU)

REQUIRED TEXT: Lab Manual for Physical Geography, 10th Ed. **ISBN:** 9781111572266 - **Authors:** James Peterson, Dorothy Sack, & Robert F. Gabler

WLAC Online Bookstore: <http://onlinebookstore.wlab.edu/>

Course Objectives:

Demonstrate how the basic interactions between the sun and the earth's subsystems of the lithosphere, biosphere, hydrosphere, and atmosphere affect such things as climate, hydrology, and seasonal change.

Student Learning Outcomes:

- 1) Understand Earth environments by using scientific methods to interpret Earth-Sun relations & time.
- 2) Understand Earth representations through globes and maps, interpret maps through absolute and relative location, and plotting and interpolation of spatial data.
- 3) Acquire problem-solving skills, practice math computation, construct graphs, interpret thematic, topographic & weather maps, statistical charts, and analyze spatial data through written lab exercises.

Institutional Learning Objectives:

Critical Thinking: Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences.

Students will use the scientific method to develop a hypothesis about the impacts of climate change for a particular geographic region.

Course Methodology:

This course is taught using lecture, lab demonstrations, lab exercises, short quizzes, and a final exam.

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Lab Assignments, Quizzes & Exams:		
15 Lab Exercises	LAB EXERCISES: 5 to 15 Points	140 Points = 70%
Lab Exams #1-3	2 Lab Quizzes @ 10 Points Each 1 Final Exam @ 40 Points	60 Points = 30 %
	Total =	200 Points

Grading Scale:	
180-200	A
160-179	B
140-159	C
120-139	D
< 120	F

Due Dates & Late Policy

Lab Assignments are due in class the day they are assigned.

See Instructor to make arrangements for a later submittal. Stay in Contact with me!

A make-up Quiz will be substantially different from the original & provided on a date set by the Instructor.

You are responsible for all course content if you are absent from class including limited to all laboratory assignments, homework, quizzes, exams, and class notes.

WLAC Attendance Policy

Students are expected to participate in all classes for which they are registered.

Students who are unable to participate regularly in the class, should withdraw from the class.

Instructors may exclude a student from a class whenever a student is not attending on a regular basis.

Academic Integrity Statement

In the rare event of cheating, the following will result in a failing grade for an activity, quiz, or

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exam:

Taking or sharing answers on a lab assignment, homework assignment, quiz, or exam.

Lab Assignment Rubric

POINTS	GRADE	CRITERIA
9-10 Points	A	Legible answers including complete numerical values with decimal points & required units of measurement per Lab question. Accurate interpretation of graphs, charts, and map & photos, and written complete sentences as required to answer the lab questions for full understanding of the lab concepts and objectives.
8 Points	B	Legible answers including complete numerical values but may have mistakes or missing and/or incomplete information. Shows understanding of the lab concepts with minor errors..
7 Points	C	Incomplete, one or two-word written answers that do not fully address the lab concepts and objectives. Missing portion of the lab assignment.
6 Points	D	One word answers requiring additional explanation. Illegible work for either required math or incomplete answers missing unit notation.
0-5 Points	F	50% of lab answers incomplete or no submittal.

Class Schedule - Physical Geography Laboratory

CLASS DATES:	Physical Geography LAB TOPICS:	LAB ASSIGNMENTS & EXAMS:
Week 1 – M-TH 1/5/15 - 1/8/15	Syllabus & Class Requirements TOPICS: Ch. 1- Scientific Method & Earth systems Ch. 2- Earth	Monday: Lab Exercise #1 – 5 Points - _____ Lab Manual – Complete Lesson 1-pages 1-10 Tuesday: Lab Exercise #2 – 10 Points - _____

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	<p>measurement: Location Coordinates; Latitude & Longitude & Time; Ch. 3-Earth-Sun Relationship</p>	<p>Lesson 3, pages 29-38 & 39-45 Wednesday: Lab Exercise #3 – 10 Points - _____ Lesson 6, pages 73-90 Thursday: Lab Quiz 1 – 10 Points - Thursday, Jan. 8th, 2015</p>
<p>Week 2 M-1/12/15 Th- 1/15/15</p>	<p>TOPICS: - Ch. 2- Geographic Distance, Map Scale, Map Projections; Elevation: Isoline Maps, & Contour Maps Ch. 3, 4, 5 The Atmosphere, Temperature Controls; Atmospheric Circulation-Pressure & Winds; Humidity, Condensation & Precipitation</p>	<p>Monday: Lab Exercise #4 – 10 Points - _____ Lesson 4, pages 47-58 Tuesday: Lab Exercise #5 – 10 Points - _____ Lesson 5, pages 59-71 Wednesday: Lab Exercise #6 – 5 Points - _____ Lesson 7, pages 83-92 Thursday: Lab Exercise #7 – 20 Points - _____ Lesson 8, pages 91-101 Lesson 9, pages 103-114</p>
<p>Week 3 T-1/20/15 – Th- 1/22/15 Lab Quiz 2 Th.</p>	<p><i>NO CLASS MONDAY January 20th, 2014</i> <i>Martin Luther King, Jr. Holiday</i> TOPICS: Ch. 6, 7 Air Masses, Barometric Pressure;</p>	<p>Tuesday: Lab Exercise #8 – 5 Points - _____ Lesson 10-11, pages 115-124 Wednesday: Wed. Lab Exercise #9 – 10 Points - _____</p>

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<p>1/22/15</p>	<p>Weather Systems; Fronts & Weather Maps; Ch. 11-Biomes</p>	<p>Lesson 11, pages 125-132 *Homework – Lab #10: – [5 Pts.]-Due Th. 2/7/15 Lesson 15, pages 165-170 – <i>Online Biomes</i> http://confluence.org</p> <hr/> <p>Thursday 1/22/15: Lab Quiz 2 – 10 Points – _____ <i>Map interpretation, short answers, & multiple choice.</i></p>
<p>Week 4 M-1/26/15 - Th-1/29/15</p>	<p>TOPICS: Ch. 8,9,10 Climate & Climographs; Biogeography Ch. 12-Soils & Properties, Climates, Biomes & Soils Ch. 13, 14 Earth Materials & Plate Tectonics, Properties of Rocks, Volcanism & Geologic structures, mapping</p>	<p>Monday: *Lab Exercise #10– [5 + 5]=10 Points - _____ Lesson 12, pages 133-163, Lab Exercise #11– 10 Points, Lesson 16, Pages 165-178</p> <p>Tuesday – Wednesday: Lab #12 & #13 – 15 Points - _____ Lesson 17, Pages 179-201 [7.5 Pts.], Lesson 18, pages 205-208 & Lesson 19, pages -209-227 [7.5 Pts.]</p> <p>Thursday 1/30/15: Final Lab Exam Review</p>
<p>Week 5 M-2/2/15 - Th-2/5/15</p>	<p>TOPICS: Ch. 15-Landforms- Gradation, Weathering & Mass Wasting; Ch. 16-Karst & groundwater Ch. 17-Fluvial Hydrology – Stream</p>	<p>Monday: Lab Exercise #14– 15 Points - _____ Lesson 20, pages 229-236, Lesson 21, pages 237-240, Lesson 22, pages 241-254</p> <p>Tuesday: Lab Exercise #15 – 15 Points -- _____</p>

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	Channels & Erosion Ch. 18, 19, 20 -Arid, Glacial Landforms, Oceanic Properties	Lesson 23, pages 255-261, Lesson 24, pages 263-276, Lesson 25, pages 277-283 Thursday – 2/5/2015 Lab Final: 40 Points - Thursday, 2/5/15 Multiple Choice, short answer, short essay. Yes you may bring or use your calculator. No Scantron is needed.
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Private Messages and Electronic Mail

The Etudes Private Messaging system may be used for communication for this class. However, every WLAC student has an email address.

Check your Student.LACCD@Edu account daily/weekly.

To access your account visit www.wlac.edu and click on the **Student Email button**. To login use **your student ID# and your birthday and month**. Your StudentLACCD@Edu email can be forwarded to any other personal email account.

Disabled Student Services

If you know or think that you have any learning or physical disabilities, please contact Dr. Duke in the Disabled Student Programs and Services (DSPS) Office in the Student Services Building Room 302 or at (310) 287-4423. The DSPS will then contact your instructors to notify them of needed accommodations, such as additional testing time, or a note taker. If you require an accommodation for this class, please speak with me.

Dropping the Course

According to college policy, you will be excluded for non-participation or for not following the Standards of Student Conduct (printed in the Schedule of Classes). If you drop the course, be sure to do so using the Student Information System at <http://www.laccd.edu> and keep the confirmation code.

[Pay attention to drop dates in the Schedule of Classes.](#)

Last day to drop a class with no fee owed.	Wed. Jan. 7th, 2015
Last day to drop without a "W"	Wed. Jan 7th, 2015
Last day to drop with	Fri. Jan.

a "W"	30th, 2015
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Academic Integrity

Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others’ academic endeavors. When there is evidence of cheating or plagiarism in classroom work, the instructor may assign a failing grade, “F,” or zero points to the examination or assignment in which the alleged cheating or plagiarism occurred. Before a substandard grade is issued the instructor will provide the student with supporting documentation of the plagiarism or cheating charge. Instructors have the authority to use plagiarism detecting instruments such as “Turn It In” to detect academic dishonesty.

Standards of Student Conduct

The West LA College faculty, staff and administrators are dedicated to maintaining an optimal learning environment and will not tolerate any disruptive behavior in or outside of the classroom or any academic dishonesty. These standards apply to all students.

Disruptive, disrespectful, or obstructive behavior will be dealt with in accordance with the LACCD Standard of Student conduct. Disciplinary action can be taken if student behavior interferes with instruction. Please refer to the Schedule of Classes.

Warning - A written notice, given to the student by the instructor.

Removal by the Instructor - An instructor may remove a student temporarily from the course.

Instructional Support and Monitoring

For assistance with research projects, visit the Library on the second floor of the HLRC or access Library resources online at <http://www.wlac.edu/library/index.html>

Monitor your academic progress online at <http://www.wlac.edu/online/counselingonline.asp> by clicking on the DegreeWorks icon, or contact an Online Counselor at onlinecounseling@wla.edu

Student Acknowledgment
(Please return this sheet to the instructor)

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“I _____, have completely read this syllabus and understand and agree to the course requirements.”

Please indicate below, any special needs or circumstances that may have some impact on your work in this class, and for which you may require special accommodations, including but not limited to physical or mental disabilities, inability to arrive in class on time or need to leave class early, observance of religious holidays, etc.

List any special needs or circumstances for this course during Winter 2015:
