

**SPRING 2021 – Geography Lab 1L Friday Online Syllabus: January 29 – May 21<sup>st</sup>, 2021- 1 Unit Credit**

Instructor: Michele Forman: [mforman@peralta.edu](mailto:mforman@peralta.edu)

Class Code: 22405

Weekly Online Class Meetings – Friday mornings 9-10AM by Zoom (or Canvas conference) call - (join by phone or computer)

Office hours: Individual ½ hr. Zoom assistance available upon request

All lab assignments may be found in sequential online Canvas modules. You do not need to buy a lab manual, however access to a computer and printer will be easier than depending solely on a phone. All homework must be submitted to the correct lab submission portal. You may also work as an online group. It is important to meet deadlines given however you may request to work ahead. Please read this syllabus carefully and know your success in this class is important to me. Please be in touch if you need any assistance.

**Course Description:**

This lab supplements Physical Geography 1 through practical application of concepts conveyed in lectures and should be taken concurrently. Emphasis will be placed on skills and tools necessary for analysis and interpretation of geographic data and meteorological phenomenon including mid-latitude cyclones, atmospheric stability and adiabatic processes, conversion from SI units to US standard units and conversion between map scales. Contour maps, charts, graphs, tectonic processes, and earth-sun relations will be analyzed through practical exercises, field observation and data analysis. The class Canvas site supplements physical geographic concepts conveyed educational videos convey the current serious impact of humans on earth system thresholds.

**Learning Outcomes:**

1. Analyze and interpret data displayed on maps, charts, graphs.
2. Identify the principles of geographic grids, latitude & longitude.
3. Accurately construct maps and topographic profiles.
4. Remote Lake Merritt water quality analysis (data provided).

**Measure of Proficiency:**

A measure of proficiency in each skill will be assessed through weekly labs, one midterm and a final water quality analysis.

**Methods**

Students will complete weekly laboratory exercises requiring problem solving, accurate observations, construction and interpretation of charts and maps, recording and analysis of spatial information, as well as synthesis and analysis of past water quality data collected at Lake Merritt and the Laney estuary. Explanations, demonstrations, and instruction will be provided during Zoom calls and online. All homework must be submitted to the correct Canvas submission box.

**Grading and Evaluation:**

Attendance and Participation in lab class with completion of all labs:	= 130 points
Demonstrated competency with water data analysis	= 50 points
3 video summaries	= 60 points
Secrets of the Sun movie questionnaire	= 10 points
Final Review Quiz	= 50 points
<b>Total</b>	<b>= 300 points</b>

Grading: A = 90-100% (of 300 points), B = 80-89%, C =70-79%, D =60-69%, F <60%

Although students are encouraged to work collaboratively on lab exercises, **copying labs does not support learning and is unacceptable.**

- Student must be enrolled in Geog. 1 or have successfully completed the course in a prior semester.

### Weekly Schedule – Subject to Change

JAN 29	Introductions & Syllabus – Earth’s Geographic Grid: Latitude and Longitude
FEB 5	Earth’s Time Zones – Calculating Time Richard Attenborough “A Life on Our Planet” – 1-2 page movie synopsis
FEB 12	<b>PRESIDENTS DAY HOLIDAY</b>
FEB 19	Isolines – Contour Lines
FEB 26	Earth-Sun Relations Movie Summary – NOVA Secrets of the Sun
MAR 5	Solar Angle
MAR 12	Insolation, Temperature Patterns -
MAR 19	Adiabatic Processes
MAR 26	Stability
APR 2	<b>SPRING BREAK</b>
APR 9	Mid-Latitude Cyclones
APR 16	Tectonic Processes
APR 23	Online Final Review Quiz
MAY 7	2013-2020 Lake Merritt Water Data Analysis Project
MAY 19	<b>MALCOLM X BIRTHDAY</b>
MAY 21	Deadline for all assignments

### **Important Dates:**

Last date to drop without a “W” appearing on your transcript is Saturday, February 7, 2021

Deadline to file for AA/AS is March 12, 2021

Last date to drop and receive a “W” is April 30, 2021

Last date for P/NP is May 7, 2021

*In order to make this class as accessible as possible to students with disabilities, I encourage you to communicate with me by the 2nd week of class regarding any accommodations that would improve your experience in (or access to) this course. You may also contact the Disability Services and Programs for Students at 510-464-3428 for assistance.*

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