GEOG C180L: PHYSICAL GEOGRAPHY LAB

Item	Value
Curriculum Committee Approval Date	02/26/2021
Top Code	220600 - Geography
Units	1 Total Units
Hours	54 Total Hours (Lab Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)
Local General Education (GE)	• Area 5A Physical Sciences (CB1)
California General Education Transfer Curriculum (Cal-GETC)	• Cal-GETC 5C Laboratory Activity (5C)
Intersegmental General Education Transfer Curriculum (IGETC)	• IGETC 5C Laboratory Activity (5C)
California State University General Education Breadth (CSU GE-Breadth)	• CSU B3 Laboratory Activity (B3)

Course Description

This course is designed to provide supplemental exercises in topics covered in Physical Geography lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis. PREREQUISITE: GEOG C180 or concurrent enrollment. Transfer Credit: CSU; UC. C-ID: GEOG 111.**C-ID:** GEOG 111.

Course Level Student Learning Outcome(s)

1. Analyze weather patterns and world climates.
2. Describe seasonal Earth-Sun relations and explain resulting physical phenomena on Earth's surface.
3. Describe the process of Plate Tectonics and explain its correlation to the creation of landforms.

Course Objectives

- 1. Understand and complete activities related to the size, shape, and movements of the Earth in space and their importance to environmental patterns and processes.
- 2. Understand and complete activities related to the atmospheric, geomorphological, and biotic processes that shape the Earth?s surface environments.
- 3. Understand and complete activities related to the global distribution of the world?s major climates, ecosystems, and physiographic (landform) features.
- 4. Understand and complete activities related to basic concepts of physical geography in the analysis of real-world variations in environmental patterns.
- 5. Understand and complete activities related to the scientific method and practical experience using the tools and concepts of physical geography (laboratory component).

Lecture Content

No Lecture Content. See Lab Content.

Lab Content

Lab activities include but are not limited to: Map interpretation The Geographic Grid Landform interpretation Earth-Sun relationships Weather and climate Common rock identification Biogeography Plate Tectonics.

Method(s) of Instruction

- Lab (04)
- DE Online Lab (04X)

Instructional Techniques

A variety of instructional techniques shall be utilized including but not limited to: Discussion of geographic ideas and concepts; Instructions for completing lab exercises; and Feedback on grading each exercise.

Reading Assignments

For each exercise read and study the lab manual.

Writing Assignments

Lab only course.

Out-of-class Assignments

Lab only course.

Demonstration of Critical Thinking

Evaluation, interpretation, and analysis of the distribution and relationships within and among natural phenomena of Earth.

Required Writing, Problem Solving, Skills Demonstration

Individual and group laboratory exercises and experiments of a hands-on, practical nature including demonstration of methodology, techniques and report generation of results.

Eligible Disciplines

Geography: Master's degree in geography OR bachelor's degree in geography AND master's degree in geology, history, meteorology, or oceanography OR the equivalent OR see interdisciplinary studies. Master's degree required.

Manuals Resources

1. Hess, Darrell. Physical Geography Laboratory Manual, Pearson , 06-05-2017 2. Kite, Steven; Hessl, Amy. Physical Geography Lab Manual, Kendall Hunt , 01-15-2018

Other Resources

1. Instructor prepared maps, charts, tables, articles, web links, and other handouts of important information, instructions, or supplemental material necessary for the completion of the exercises.