

COLLEGE OF THE CANYONS

GENERAL COURSE INFORMATION

1. **Subject Code:** [GEOG](#)
2. **Course Number:** [101](#)
3. **Course Title:** [Physical Geography](#)
4. **Effective Date:**
5. **Discipline:**

[Geography - Masters](#)
[Interdisciplinary Studies - Masters](#)

6. **Semester of First Offering:**

SECTION D

Articulation Information: (Required for Transferable courses only)

1.

- CSU Transferable.
- UC Transferable.
- CSU/UC major requirement.

If CSU/UC major requirement, list campus and major.

[California State University Northridge - Geography](#)
[University of California, Los Angeles - Geography](#)

2. List one community college and its comparable course. If requesting CSU and/or UC transferability also list a CSU/UC campus and comparable lower division course.

[Moorpark College - Geography M01 \(Physical Geography\)](#)
[California State University Northridge - Geography 101 \(The Physical Environment\)](#)
[University of California, Los Angeles - Geog 1 \(Earth's Physical Environment\)](#)

SECTION E

Resources:

Please consider the identified concerns below:

1. **Library:** Please identify the implications to the library

[Textbook on reserve](#)

2. **Computer Support Services:** Please identify the implications to Computer Support Services:

[none](#)

3. **TLC Lab :** What are the implications to the TLC lab of this course being offered?

[none](#)

SECTION H

General Course Information

1. **Units:** [3.0](#) **Variable units** [n/a](#)

(*Units of credit are based on: 1 unit of credit per one hour of lecture (plus 2 hours of outside class independent study); 1 unit of credit per three hours of activity or lab.)

2. This Course is:

Associate Degree Applicable - UC transferable

3. Cross-List:

Course Format and Duration

4. Maximum Contact Hrs per Term

Lecture/Discussion: 54

Lab:

Activity:

By Arrangement:

Total Maximum Contact Hrs per Term 54 - 0

5. Short Term Total Hrs

Lecture/Discussion:

Lab:

Activity:

By Arrangement:

Total Hrs

Methods of Instruction

6. Check all instructional methods used to present course content.

- Lecture
 Activity
 Discussion Seminar
 Distance Ed (requires supplemental form)
 Lab
 Work Experience
 Directed Study
 Tutoring

Other:

Course Preparation – (Supplemental forms required)

7a. Prerequisite(s): (Course and/or other preparation/experience that is REQUIRED to be completed previous to enrollment in this course.)

n/a

7b. Co-requisite(s): (Courses and/or other preparation that is REQUIRED to be taken concurrently with this course.)

n/a

7c. Recommended: (Minimum preparation RECOMMENDED in order to be successful in this course. Also known as "Course Advisory".)

n/a

Catalog Description And Other Catalog Information

8. Repeatability:

Not Repeatable

Please Note: 8. (Repeatability) does not refer to repeating courses because of substandard grades or a lapse of time since the student took the course. A course may be repeated only if the course content differs each time it is offered and the student who repeats it is gaining an expanded educational experience as stipulated in *Title V*.

- Skills or proficiencies are enhanced by supervised repetition and practice within class periods.
- Active participatory experience in individual study or group assignments is the basic means by which learning objectives are attained.
- Course content differs each time it is offered.

Explanation for above repeatability selection:

9a. Catalog Description:

Studies the basic physical elements of Earth and the processes that affect climate, water, soils, vegetation, landforms, how humans and the environment interrelate, the fundamentals of Earth/Sun relationships, and cartography.

9b. Class Schedule Description: (One or two sentences describing course content for the prospective student. Does not require as much detail as the Catalog description.)

Studies the basic physical elements of Earth and the processes that affect climate, water, soils, vegetation, landforms, how humans and the environment interrelate, the fundamentals of Earth/Sun relationships, and cartography.

9c. Grading Option: LR - Letter Grade Only

Course Outline Information

10. Student Learning Outcomes: (Outcomes for **all** credit courses must indicate that students will learn critical thinking and will be able to apply concepts at college level. Outcomes must be related to Catalog Description, Course Content, and Objectives.)

The student will be able to:

1. demonstrate basic cartographic skills of map reading and spatial analysis.
2. analyze the relationships among Earth's lithosphere, atmosphere, hydrosphere, and biosphere and the interface with humans.

Objectives:

1. Demonstrate basic cartographic skills of map reading, interpretation, and spatial analysis.
2. Interpret topographic elevations and landforms using contours.
3. Use latitude and longitude in spatial analysis.
4. Compare and contrast the global distribution patterns of geomorphology resulting from surface climatic processes and those resulting from internal energy processes
5. Analyze the interrelationships between global wind patterns and ocean currents.
6. Analyze the role of Earth-Sun relations and seasons.
7. Identify the four major environmental spheres, their principal characteristics, and explain the interconnections between them.
8. Explain world distribution patterns of principal environmental components including air temperature, air pressure, wind, precipitation, climate, soil, vegetation, animals and landforms.
9. Interpret a synoptic scale weather map.
10. Identify and describe natural processes of landscape change.
11. Analyze the role of humans in landscape modification and environmental change.

11. Course Content Outline: (Provides a comprehensive, sequential outline of the course content, including all major subject matter and the specific body of knowledge covered.)

A. Introduction to Earth

- a. The environmental spheres
- b. Earth/Sun relationships
- c. Geographic grid
- d. Time zones

B. Portraying Earth - Cartography

- a. map types, scales, and projections
- b. relief maps

- C. Atmosphere, Meteorology, Climatology
 - a. structure and composition of atmosphere
 - b. insolation and temperature
 - c. pressure and winds
 - d. humidity and storms
 - e. climates

- D. Hydrosphere
 - a. oceans - currents
 - b. surface water
 - c. ground water
 - d. ice

- E. Biosphere, life, and soils
 - a. distribution patterns of flora and fauna
 - b. biogeochemical cycles
 - c. environmental and human influences
 - d. distribution of soil types

- F. Lithosphere
 - a. basic rock and mineral composition
 - b. landforms derived from geothermal(internal)energy
 - 1. plate tectonics
 - 2. volcanoes
 - 3. earthquakes
 - 4. geologic structures
 - c. landforms modified by external natural environment
 - 1. weathering and mass wasting
 - 2. desert processes
 - 3. fluvial processes
 - 4. glacial processes
 - 5. coastal processes
 - 6. karst/groundwater processes

12. Methods of Evaluating Student Achievement: (All courses must provide for measurement of student performance in terms of stated student performance objects, Area 10, and culminate in a formal recorded grade based on uniform standards. Submit at least 2 examples.)

Exams

Map quizzes

Essays

13. Typical Assignments: (Credit courses **require** two hours of independent work outside of class per unit of credit for each lecture hour. List types of assignments, including library assignments.)

a. Reading Assignments: (Submit at least 2 examples)

Textbook readings

Internet and library resources

b. Writing, Problem Solving or Performance: (Submit at least 2 examples)

Poster project

Class exercises

Map reading exercises

1. Students will analyze and differentiate the environmental conditions that create both braided and meandering stream channels.
2. Students will assess the various atmospheric and anthropogenic processes that affect changes in the ozone layer.

c. **Other** (Terms projects, research papers, portfolios, etc.)

Possible research paper

14. Required Materials:

a. **EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.**

Book 1:

Author: Darrel Hess
Title: McKnight's Physical Geography California Edition
Publisher: Pearson/Prentice Hall
Date of Publication: 2011
Edition: 2nd

Book 2:

Author:
Title: Oxford Pocket World Atlas
Publisher: Octopus Pub. Group Ltd.
Date of Publication: 2008
Edition: 6th

Book 3:

Author:
Title:
Publisher:
Date of Publication:
Edition:

Book 4:

Author:
Title:
Publisher:
Date of Publication:
Edition:

Book 5:

Author:
Title:
Publisher:
Date of Publication:
Edition:

b. **Other materials and/or supplies required of students:**

Blank USA and World maps may be necessary