

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

X Transfer course X A.A. degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: GEOGRAPHY 125/GEOLOGY 125
California Geology and Geography

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 48

BASIC SKILLS REQUIREMENTS:

Appropriate language skills

ENTRANCE REQUIREMENTS:

PREREQUISITE: None

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Emphasizes the physical geographic and geologic factors that have combined to form the varied landscapes of California. Climate and vegetation patterns, as well as the various geomorphic processes will be studied. ed

SPECIFIC COURSE OBJECTIVES:

Successful students will:

1. Be able to describe the physical environment of California including: meteorology, climatology, hydrology, pedology, biogeography, geology and geomorphology.
2. Be able to describe the geographic and geologic similarities and differences among California's eleven natural provinces, in terms of each of the above subdisciplines.
3. Be able to apply the scientific method as a process of critical thought to an analysis of the geographic and geologic processes in California.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

Introduction/geomorphic provinces
California's weather and climate
Surface and underground water
Natural vegetation and soils
Basic geology (minerals, rocks, volcanic and plutonic processes, structural geology)
Basic geomorphology (mass wasting, fluvial and glacial processes)
Modoc Plateau and Cascade Range
Klamath Mountains and Coast Ranges
Great Valley and Sierra Nevada
Great Basin and Mojave Desert
Peninsular Ranges and Salton Trough
Transverse Ranges
Precambrian and Paleozoic history of California

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Mesozoic and Cenozoic history of California
Tectonic origin of California

REQUIRED READING:

Hill, Mary. The California Landscape. Berkeley: University of California Press, 1984.
Photocopies, handouts from California Geology.

SUGGESTED READING:

Harden, D. R. California Geology. Saddle River, NJ, 1998.

REQUIRED WRITING:

A one page typewritten essay is required of all students. All exams except the final have at least a one paragraph essay.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short term classes.

Preparation includes readings in assigned text, review of lecture material, a written assignment, and suggested readings.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
 laboratory
 lecture-laboratory combination
 directed study

This course may be offered as a distance education course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply. (See guidelines for preparation for definitions.)

- telecourse
 mediated instruction
 computer assisted instruction

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

Grade is primarily based on three objective examinations of 100 points each. A specific curve for letter grades is established for each exam. There is also a map quiz (50 pts) attached to the final exam. The grade on a written assignment (25 pts) will be added to the semester exam/quiz total for a grand total (375pts).

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes No Number of times course may be taken for credit: 1

If yes, identify specific provision of Title 5 Division 2 section(s) 55761-55763 and 58161 which qualifies course as repeatable:

CONTACT PERSONS:

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