

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: GEOLOGY 195 - Regional Field Studies in Geology

UNIT VALUE: 1-2-3

MINIMUM NUMBER OF SEMESTER HOURS: 32-64-96

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills

ENTRANCE REQUIREMENTS

PREREQUISITE: Geology 100 or Geology 110 or Geology 125 or Geography
100.

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Extended field studies of the geology of western North America over weekends and during vacation and summer sessions. Emphasis upon field observation and interpretation of rock types, landforms and structure. Localities visited may vary from year to year.

SPECIFIC COURSE OBJECTIVES:

1. The successful student will be able to interpret real-life environments in the field in terms of petrology, stratigraphy and geologic structure.
2. The successful student will be able to identify in the field the geomorphic processes that shaped the landscape visited.
3. The successful student will be able to integrate his/her field experience into previous learning modes to synthesize a holistic view of our natural environment.
4. The successful student will, upon future individual trips into the natural environment, be able to analyze other landscapes in terms of the geologic and geomorphologic processes that developed them.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Content: Field trips all include geologic structure, tectonics, petrology, climatology, history and natural resources of the area visited. Geomorphology is an integral unit.
- II. Destinations: In the past, trips have been taken to:
 - A. The Colorado Plateau of Utah and Arizona
 - B. Northern California and Oregon
 - C. Death Valley, California
 - D. Colorado
- III. Types of visited localities: Included are stops such as: Natural wonders, mines, sand dunes, volcanoes, fault scarps, canyons, arches, bridges, dams, caves, numerous types of outcrops, and fossil beds.

REQUIRED READING:

A textbook (eg, : Chronic, Halka. Roadside Geology of Utah. Missoula; MT; Mtn. Press, 1990) relating to the area is assigned as are numerous handouts.

SUGGESTED READING:

Each national park or monument visited usually has books, maps or charts which are recommended.

REQUIRED WRITING:

All students must submit a written report (of variable length depending upon the units of the particular class, generally a one paragraph essay for each day of the trip is assigned) upon completion of the trip.

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.

Students must prepare their written report after the class is over and they have returned home. Approximately 18 hours is spent in this endeavor as well as reading the text and handouts.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

Instruction is totally in the field and consists mostly of lecture/lab on-site with substantial amount of student examination and analysis of outcrop.

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 based on attendance/participation (72%) and written report (28%).

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

Yes No Number of times course may be taken for credit: 4
(limit - 6 units).

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

CONTACT PERSON:

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