



NSM

# Academic Affairs - Course Proposal Form



CALIFORNIA STATE UNIVERSITY, SACRAMENTO

<b>Academic Unit:</b> Geology		<b>Department Chair:</b> David Evans	
<b>Type of Course Proposal:</b> New <input checked="" type="checkbox"/> Change <input type="checkbox"/> Deletion <input type="checkbox"/>		<b>Date:</b> 3/24/2006	
<b>Does this course fulfill a requirement for single-subject or multiple subject credential students?</b> Yes ___ No <input checked="" type="checkbox"/>		<b>For Catalog Copy:</b> Yes <input checked="" type="checkbox"/> No ___	<b>CCE:</b> Yes ___ No ___
		<b>Semester Effective:</b> Fall <input checked="" type="checkbox"/> Spring ___ 2006	
<b>Prefix &amp; No.</b> GEOL 5	<b>Title:</b> GEOLOGY OF MEXICO		<b>Units:</b> 4

<b>Change to:</b>		
<b>Prefix &amp; No.</b>	<b>Title:</b>	<b>Units:</b>

### JUSTIFICATION:

Place-based introductory-level course intended to encourage diversity in the major. Will serve as GE science lecture and lab.

### NEW COURSE DESCRIPTION: (Not to exceed 80 words, and language should conform to catalog copy. See <http://www.csus.edu/acaf/univmanual/crspsl.htm> - Guidelines for Catalog Course Description)

Introduction to Geology through examination of aspects of the geology of Mexico. Emphasizes problem-based approach to learning Geology and the process of scientific investigation. Topics include a wide range of geological concepts including plate tectonic setting of Mexico, living with volcanoes: the Mexican volcanic belt, the Mexico city earthquake, issues of water supply, flooding and atmospheric pollution in Mexico City, the Chicxulub crater and geologic time, ore deposits of Mexico  
Lecture 3 hours and Laboratory 3 hours. 4 units.

**Note:**

**Prerequisite:** None

**Corequisite:**

**CAN (California Articulation Number):**

**Graded:** Letter  Credit/NoCredit \_\_\_ **Instructor Approval?** Yes \_\_\_ No

**Course Classification:** C-02 / C-16 **Title for SIS+ (not more than 25 characters)**  
GEOLOGY OF MEXICO

**Cross Listed?** Yes \_\_\_ No  **If yes, with what course:**

**How Many Times Can This Course be Taken for Credit?** Once

# FOR NEW COURSE PROPOSALS OR SUBSTANTIVE CHANGES ONLY:

**Description of the Expected Learning Outcomes:** Describe outcomes using the following format: "Students will be able to: 1), 2), etc." See the example at <http://www.csus.edu/acaf/example.htm>

Students will be able to:

- (1) Apply the scientific method to the examination of geologic processes in areas of Mexico,
- (2) Identify typical minerals and rocks of the Earth's crust and interpret them in terms of how they formed,
- (3) Explain the relationship between geologic features of Mexico in the context of plate tectonics,
- (4) Understand the effect of geology on the cultural development of Mexico and predict the consequences of future events, and
- (5) Evaluate the potential impact of land-use decisions with respect to geological hazards.

\*\*Attach a list of the required/recommended course readings and activities [Note: it is understood that these are updated and modified as needed by the instructor(s).] This attachment should be forwarded only to your Dean's office, not Academic Affairs.

**Assessment Strategies:** A description of the assessment strategies (e.g., portfolios, examinations, performances, pre- and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above:

Combination of lab assignments and examinations.  
Semester-long investigative projects.

## For whom is this course being developed?

Majors in the Dept \_\_\_ Majors of other Depts \_\_\_ Minors in the Dept \_\_\_ General Education  Other \_\_\_

Is this course required in a degree program (major, minor, graduate degree, certificate)? Yes \_\_\_ No

If yes, identify program(s):

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer facilities, faculty, etc.)? Yes \_\_\_ No

If yes, attach a description of resources needed and verify that resources are available.

Indicate which department or programs will be affected by the proposed course (if any). \_\_\_\_\_

*The Department Chair's signature below indicates that affected programs have been sent a copy of this proposal form.*

**Approvals:** If proposed change, new course or deletion is approved, sign and date below. If not approved, forward without signing to the next reviewing authority, and attach an explanatory memorandum to the original copy.

Signatures:

	Date
Department Chair: <i>D. Warr</i>	3-24-06
College Dean or Associate Dean: <i>Laura H. Hoffner</i>	3/24/06
CPSP (for school personnel courses ONLY)	
Associate Vice President and Dean for Academic Programs	

Distribution: Academic Affairs (original and two copies) Department Chair and College Dean. A copy of this form should be e-mailed, along with the hard copies, as an attachment to [lovinesd@csus.edu](mailto:lovinesd@csus.edu) by the Dean's office after it is approved at that level.