

**CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS  
NEW COURSE PROPOSAL**

PROGRAM AREA Environmental Science and Resource Management

**1. Catalog Description of the Course**

**GEOL 122. HISTORICAL GEOLOGY (3)**

Three hours of lecture per week.

This course focuses upon the geological history of the Earth and the Solar System from the origin of the cosmos to the present, tracing the evolution of the continents and ocean basins, and the evolution of plants and animals through time. Surveys events in Earth's past of relevance to present environmental issues. GenEd: B1

**2. Mode of Instruction.**

	Units	Hours per Unit	Benchmark Enrollment
Lecture	3	1	20
Seminar	_____	_____	_____
Laboratory	_____	_____	_____
Activity	_____	_____	_____

**3. Justification and Learning Objectives for the Course.** (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements/)

**Justification:** This course contributes to the Liberal Studies options. This introductory course provides the student with a basic understanding of the history of the evolution of the Earth's surface, including the plants and animal paleontology.

**Learning Objectives.** Upon completion of course, the student will be able to:

- Describe the development of the modern Earth from a geological perspective;
- Outline the ongoing geological processes affecting the Earth;
- Describe a general framework for the evolution of plants and animals.

**4. Is this a General Education Course**                      **YES**                      **~~NO~~**

**If Yes, indicate GE category:**

<b>A (English Language, Communication, Critical Thinking)</b>	
<b>B (Mathematics &amp; Sciences)</b>	<b>X</b>
<b>C (Fine Arts, Literature, Languages &amp; Cultures)</b>	
<b>D (Social Perspectives)</b>	
<b>E (Human Psychological and Physiological Perspectives)</b>	

**5. Course Content in Outline Form.**

Introduction;Time  
 History of Geology;Evolution  
 Evolution;Time Scales  
 Dating;Origin of the Earth  
 Mountain Building;Continental Drift  
 Cryptozoic;Early Life  
 Early Paleozoic;Late Ordovician  
 Middle Paleozoic;Middle Paleozoic  
 Late Paleozoic;Late Paleozoic  
 Mesozoic;Mesozoic  
 Cenozoic;Cenozoic  
 Pleistocene;Pleistocene  
 Modern Earth

**6. References.**

Prothero, Donald R. and Robert H. Dott, Jr. 2002, *Evolution of the Earth*. 6<sup>th</sup> edition. McGraw-Hill.  
 Petersen, Morris S. and J. Keith Rigby, 1999 *Interpreting earth history: a manual in historical geology*. McGraw-Hill

**7. List Faculty Qualified to Teach This Course.**

Geology Faculty  
 NEWCRSFR 9/30/02

**8. Frequency.**

a. Projected semesters to be offered: Fall \_\_\_\_\_ Spring X Summer \_\_\_\_\_

**9. New Resources Required.**

A survey of lab facilities and library resources will need to be conducted to determine additional resource needs. These resource needs are anticipated to be minimal.

**10. Consultation.**

Attach consultation sheet from all program areas, Library, and others (if necessary)

**11.** If this new course will alter any degree, credential, certificate, or minor in your program, attach a program modification.

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Proposer of Course

Date