

GE CRITERIA APPROVAL FORM

Course Number and Title: **GEOL 321. Environmental Geology**

Faculty Member(s) Proposing Course: **William H. Adams**

Indicate which of the following categories would be satisfied by this course by marking an “X” on the appropriate lines. Courses may be placed in up to two GE categories as appropriate. Upper Division Interdisciplinary GE courses may be placed in two categories plus the UDIGE category.

	A1: Oral Communication
	A2: English Writing
	A3: Critical Thinking
X	B1: Physical Sciences
	B2: Life Sciences
	B3: Mathematics
	B4: Computers and Technology
	C1: Fine Arts
	C2: Literature
	C3: Languages & Cultures
	D: Social Perspectives
	E: Human Psychological & Physiological Perspectives
	Upper Division Interdisciplinary GE

Lab Included? Yes **X** No

Please provide a brief explanation of how the proposed course meets each of the criteria for the selected General Education categories.

GEOL 321 focus on the on the interrelationships between human and natural geologic hazards: tsunamis, earthquakes, landslides, subsidence, volcanoes. Explores environmental impact of resource extraction and usage. Importance of understanding the geologic processes and landscape in land use planning. Means of using geology to minimize conflicts in resource management and disaster preparation. The course promotes a general understanding of scientific methods and theory building, as well as the limits of scientific inquiry. It provides the content within an historical perspective and the role geology played in the development of modern civilization. Students apply both inductive and deductive reasoning as they explore the fallacies and misconceptions surrounding the interpretation of Earth’s geological past.

Students who successfully complete this course will be able to:

- Interpret the geological forces creating the landscape;
- Associate systems theory as it relates to environmental issues;
- Describe the contributing factors affecting environmental change;
- Imagine the complexity of ecological relations from the geological perspective.

Hence we feel that this course meets each of the criteria in GE Category **B1**.