

# SCIENCE (SCI)

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## SCI 102. Earth Sciences. 3 Credits.

This course provides an introduction to the methods of Earth science. Students study the physical, chemical, and biological processes that combine to produce geological processes with attention focused on plate tectonic environments, processes, and forces, Earth system surface processes, and climate change. This course is designed for nonscience majors.

**Corequisites:** Take SCI 102L.

**Offered:** Every year, All

**UC:** Natural Sciences

## SCI 102L. Earth Sciences Lab. 1 Credit.

Lab must be taken with SCI 102. (2 lab hrs.)

**Corequisites:** Take SCI 102.

**Offered:** Every year, All

**UC:** Natural Sciences

## SCI 105. Chemistry and Nutrition. 3 Credits.

Students study the fundamental chemistry and nutritional role of food components including carbohydrates, fats and proteins, as well as the importance of vitamins, minerals, and water in the diet. Students learn about recent developments in nutrition and how nutrition research is conducted. Students apply these concepts to analyze and improve their own diets. This course is designed for non-science majors. Students may not receive credit for both SCI 105 and SCI 161.

**Corequisites:** Take SCI 105L.

**Offered:** As needed

**UC:** Natural Sciences

## SCI 105L. Chemistry and Nutrition Lab. 1 Credit.

Lab must be taken with SCI 105. (2 lab hrs.)

**Corequisites:** Take SCI 105.

**Offered:** As needed

**UC:** Natural Sciences

## SCI 161. Nutrition: an Investigative Experience. 3 Credits.

Students study the fundamental chemistry and nutritional role of food components including carbohydrates, fats and proteins, as well as the importance of vitamins, minerals, and water in the diet. Students learn about recent developments in nutrition and how nutrition research is conducted. Students apply these concepts to analyze and improve their own diets. This course is designed for non-science majors. Students may not receive credit for both SCI 161 and SCI 105.

**Prerequisites:** None

**Offered:** Every year, All

**UC:** Natural Sciences

## SCI 261. Natural Disasters. 3 Credits.

Students study the causes, occurrence, and consequences of natural disasters. They will analyze the scientific basis of the physical causes, distribution, and frequency of disasters such as earthquakes, volcanoes, hurricanes, floods, mass wasting and tsunamis. Naturally occurring disasters and the role of human activities in both contributing to and mitigation of natural disasters are studied. Case studies of local, regional, and global examples of historical and recent disasters will be used.

**Prerequisites:** Take EN 101 or EN 103H.

**Offered:** Every year, Spring

**UC:** Natural Sciences

## SCI 270. Environmental Geology. 3 Credits.

Environmental geology combines an introduction to basic earth science with a practical treatment of how geological processes have produced and continue to shape the environment in which we live. The interconnections between Earth materials and systems, human interactions with Earth processes, geologic hazards, and human stewardship of Earth resources will all be given special emphasis in this course.

**Prerequisites:** Take EN 101 or EN 103H

**Offered:** Every year, Fall

**UC:** Natural Sciences