

Geology courses I teach

108 Geomorphology (3)

Scientific account of the general configuration of Earth's surface and the evolution of land forms. On demand. Lecture 3 hours.

111 Physical Geology (3)

Introduction to geology with emphasis on the origin of Earth, geological materials (minerals, rocks), geological processes and events (mountain building, erosion, earthquakes, volcanic activity) and geological features (oceans, land forms). Field trips. Every semester. Prerequisite: math placement level 20 or Mathematics 106. Corequisite: Geology 181 laboratory, or approval of department head.

116 Current Geological Perspectives of Earth (3)

Geological perspectives of Earth and the ways in which it enhances and limits our life styles, including natural disasters and basic issues of sustainability. Promotes an understanding of Earth and the insights necessary to making conscientious environmental decisions. Specific topics may vary in keeping with current issues. On demand. Prerequisite: math placement level 20 or equivalent college math course. Cannot be used to satisfy Geology major requirements.

181 Physical Geology Laboratory (1)

Laboratory to accompany Geology 111. Laboratory studies of minerals and rocks, topographic maps and geologic process and events. Two hours per week. Every semester. Corequisite: Geology 111 or approval of the head of the department head.

199r Special Projects (14)

Individual or group projects. On demand. Prerequisites: receipt of an acceptable proposal, and approval of the instructor and department head. Graded on a satisfactory/no credit basis. Cumulative limit of 4 hours.

474 Water Quality Survey (3)

Concepts of water quality, including sampling methods, units of concentration, and simple analytical procedures. Concepts are augmented by field and laboratory studies of ground and surface water. Field work. On demand. Prerequisites: Geology 111/181 or 123; Chemistry 121/123, 122 /124; senior standing, and approval of the instructor. Chemistry 351/353 and Geology 341 are recommended.

497r Research (1–4)

On demand. Prerequisites: receipt of acceptable research proposal, and approval of the instructor and department head. Graded on a satisfactory/no credit basis. Cumulative limit of 4 hours.

498r Individual Studies (1–4)

On demand. Consent of instructor, receipt of an acceptable proposal, and approval of the department head. Graded on a satisfactory/no credit basis. Cumulative limit of 4 hours.