

Geology

GEOL& 101

Intro to Physical Geology W/ Lab [M/S] • 5.0 Credits

Formerly GEL 101, GEOL& 101

Composition and structure of the earth. Study and identification of common minerals and the three major rock groups. Plate tectonics concept of the evolution of surface features of continents. A study of volcanic, seismic, weathering, and groundwater processes. Outline of geologic development of the Pacific Northwest, including field studies. Lecture and lab must be taken concurrently. \$25 science fee.

Prerequisite: A grade of 2.0 or better in MATH 40, or a grade of 0.7 or better in a higher math class, or appropriate placement.

GEOL& 103

Historical Geology W/ Lab [M/S] • 5.0 Credits

Formerly GEL 203, GEOL& 103

Assessment of the history and development of the earth's physical environment and its inhabitants. An historical and chronologic analysis of the origin of the earth, including the development of the earth through time and discussion based on the paleontologic, sedimentologic, and stratigraphic record. Study of distinctive fossil groups for each geologic period and applications for correlation and reconstruction of regional geologic history. Lecture and lab must be taken concurrently. \$25 science fee.

Prerequisite: Completion of GEOL& 101 with a 0.7 or better, or instructor permission.

GEOL& 110

Environmental Geology W/ Lab [M/S] • 5.0 Credits

Formerly GEL 211, GEOL& 110

Relationships of human activities with earth materials and processes. Earthquakes, volcanic activity, mass wasting, subsidence, surface water, mineral resources, waste disposal, water pollution, and a heavy emphasis on groundwater may all be included. Students are expected to make interpretations and draw conclusions from scientific data such as graphs, charts, and maps. Lecture and lab must be taken concurrently. Field trips may be included as a part of the laboratory experience. \$25 science fee. **Prerequisite: Completion of GEOL& 101 with a 0.7 or better, or instructor permission.**

GEOL 115

Geology of The National Parks • 5.0 Credits

The U. S. national parks and wilderness monuments preserve spectacular natural wonders. Their beauty is a direct result of their underlying geology. In this course, we explore the processes and forces by which the park lands were formed and transformed over geologic time, and their current geologic significance. This includes volcanism, plate tectonics, mountain-building, and alpine glaciations. \$25 science fee.

GEOL 199

Special Studies • 1.0–15.0 Credits

A class used to explore new coursework. \$25 science fee.

GEOL 299

Special Studies • 1.0–15.0 Credits

A class used to explore new coursework. \$25 science fee.