

Department: Mining Engineering

Division: Mining Exploration and Mineral Processing

Level and Major: BSc, Mining Exploration and Mineral Processing

Course Title: Field Geology and Mine Visit

Number of Credits: 1

Prerequisite: Structural Geology

Lecturer: Dr. Hossein Hassani

Course Goals and Objectives

Understanding the basics of geological phenomena and theoretical topics in the field of mining and geology, and visited some mines.

Course Topics

- General, goals, resources and references and review of theoretical topics
- Field operations and reporting
- Familiar with the various types of rocks and soil and weathering phenomena
- Familiarity with rock outcrops productive oil reservoir
- Meet some mineral resources include economic formations and other materials crust
- Types of deformed structures including folds, faults, joints etc.
- Familiarity with surface water and groundwater in the area of??
- Visit of some mines and mining projects such as tunnel, trenches and dam
- Investigation of Various Environmental Sedimentary and Sedimentation in Marin and Continental

Reading Resources

- Geological method in mineral exploration and mining H. Hassani
- Geological field Measurement B. Esfandiari