

**Department:** Mining Engineering

**Division:** Mining Exploitation and Rock Mechanics

**Level and Major:** BSc, Mining Exploitation and Rock Mechanics

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**Course Title:** Laboratory of Petrology

**Number of Credits:** 1

**Corequisite:** Petrology

**Lecturer:** Dr. Ardeshir Hezarkhani

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### **Course Goals and Objectives**

Three types rock identifications based on thermodynamics and mineralogy

### **Course Topics**

- Petrology Principals
- Igneous Petrology
- Sedimentary Petrology
- Metamorphic Petrology
- Conclusions

### **Reading Resources**

- Petrology: Principles and Practice, Gautam Sen, 2013
- Principles of Igneous and Metamorphic Petrology, John D. Winter, 2010