

Department: Mining Engineering

Division: Mineral Processing

Level and Major: MSc, Mineral Processing

Course Title: Nonmetallic Mineral Processing

Number of Credits: 2

Lecturer: Dr. Ali Akbar Abdollahzadeh

Course Goals and Objectives

Familiarity with common methods of processing of nonmetallic minerals.

Course Topics

- Coal classification and characterization
- Conventional coal processing methods
- Gravity methods
- Coal flotation
- Industrial minerals: definition, classification, application
- Industrial minerals sizing and grinding
- Familiarity with industrial minerals properties and methods of measurement
- Industrial minerals conventional processing methods

Reading Resources

- Up-to-date articles