

Department: Mining Engineering

Division: Mining Exploitation and Rock Mechanics

Level and Major: BSc, Mining Exploitation and Rock Mechanics

Course Title: Blasting Engineering

Number of Credits: 2

Prerequisite: Wave and Vibration+ Principles of Rock Mechanics

Lecturer: Dr. Ali Mortazavi

Course Goals and Objectives

Introduction to rock blasting, Rock dynamics, Explosives properties, Blast design, Industrial explosives

Course Topics

- Introduction to rock blasting
- Rock dynamics
- Explosives properties
- Blast design
- Industrial explosives