

**Department:** Mining Engineering

**Division:** Mining Exploitation

**Level and Major:** MSc, Mining Exploitation

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**Course Title:** Simulation in Mines

**Number of Credits:** 2

**Lecturer:** Dr. Majid Ataee Pour

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### **Course Goals and Objectives**

To get familiar with discrete event simulation and its application in mining.

### **Course Topics**

- Systems and Models
- Discrete simulation
- Computer Simulation
- Stochastic Simulation
- Simulation Languages
- Simulating with GPSSH

### **Reading Resources**

- Discrete Simulation and Animation for Mining Engineers, (2016), Sturgul, J