

**SYLLABUS**

# **Mining Economy and Risk Evaluation 7.5 credits T7011B**

**Brytningsekonomi och riskvärdering**

**Course syllabus admitted: Autumn 2013 Sp 2 - Spring 2020 Sp 4**

**DECISION DATE  
2013-06-18**

# Mining Economy and Risk Evaluation 7.5 credits T7011B

## Brytningsekonomi och riskvärdering

### Second cycle, T7011B

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Berg- och mineralteknik	Mining and Mineral Technology

## Entry requirements

The students shall have basic knowledge of mathematics, physics, economics and natural resources. The students must have a basic knowledge of geology. The students must be able to successfully work independently and in groups.

## Selection

The selection is based on 30-285 credits

## Examiner

Håkan Schunnesson

## Course Aim

The course goal is to give the students deep knowledge regarding the theoretical foundations for mining and mineral economics, and to identify and evaluate risks in mining projects.

You will be able to

- describe the theoretical foundations for mining and mineral economics
- explain the most important issues in feasibility studies of mining projects
- technically and economically analyse a proposed project
- describe the national and international regulatory framework of evaluating mineralizations
- able to apply basic risk assessment and management tools to different mining problems.

## Contents

Mining and mineral economics theory, evaluation of mineralizations.

Risk analysis of mining projects: basic theory, risk identification, assessment and handling

## Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

Classroom lectures and exercises, and project work. The students will submit a written report and make an oral presentation of the project work. The students will work in groups and with problems related to the mining industry.

## Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. Written exam, grade F, 3,4,5. Project work, written and oral presentation.

## Overlap

The course T7011B is equal to ABT058

1000

## Literature. Valid from Autumn 2009 Sp 1

Course compendium and handouts.

## Course offered by

Department of Civil, Environmental and Natural Resources Engineering

## Items/credits

Number	Type	Credits	Grade
0001	Written exam	6	G U 3 4 5
0002	Group assignment	1.5	U G#

## Last revised

by Eva Gunneriusson 2013-06-18

## Syllabus established

The plan is established by the Department of Civil and Environmental Engineering 2007-01-31 and is valid from H07.