

SYLLABUS

Mining Geology 7.5 credits

O7011K

Ekonomisk geologi med gruvgeologi

Course syllabus admitted: Autumn 2013 Sp 1 - Autumn 2015 Sp 2

DECISION DATE
2013-02-15

Mining Geology 7.5 credits O7011K

Ekonomisk geologi med gruvgeologi

Second cycle, O7011K

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Malmgeologi	Earth Science and Physical Geography

Entry requirements

90 credits in Geoscience.

Selection

The selection is based on 30-285 credits

Examiner

Christina Wanhainen

Course Aim

The course concerns exploration and evaluation of important types of ore and mineral deposits as well as preparation for and follow-up of exploitation.

Contents

Underground mapping

Diamond drilling programs. Logging and assaying, grade control.
Ore reserve estimation, cut off, average grade and weighted average.

Grade and tonnage estimations in profiles. Block models.

Work with 3D representation of drill hole data in common software.

Feasibility studies, Reporting standards

Geometallurgy

Realization

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

Lectures, practicals, drill core logging, underground mapping and project work. Computer work with drill core data and ore reserve estimations.

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. Project work and written examination at the end of the course. Students who have failed an examination on five occasions will not be allowed further resits.

Overlap

The course O7011K is equal to KGO010, O7022K

Literature. Valid from Spring 2011 Sp 3

Evans, Whateley & Moon. Introduction to Mineral Exploration, Blackwell, 2006.

Course offered by

Department of Civil, Environmental and Natural Resources Engineering

Items/credits

Number	Type	Credits	Grade
0013	Written exam	3.5	G U 3 4 5
0014	Projects	3	G U 3 4 5
0015	Exercises	1	U G#

Last revised

by Eva Gunneriusson 2013-02-15

Syllabus established

by Department of Chemical Engineering and Geosciences 2007-02-28