

SYLLABUS

Production Equipment Management 7.5 credits D7002B

Bergmaskinteknik

Course syllabus admitted: Autumn 2013 Sp 1 - Spring 2019 Sp 3

**DECISION DATE
2013-02-08**

Production Equipment Management 7.5 credits D7002B

Bergmaskinteknik

Second cycle, D7002B

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

Entry requirements

T7014B Rock Engineering or corresponding course.

Selection

The selection is based on 30-285 credits

Examiner

Behzad Ghodrati

Course Aim

The goal with the course is to learn about and understand the different type, brand and function of traditional and modern complex mining equipment, and about different aspects of equipment selection in mines and underground constructions. From the course you will learn about:

- The function of different types of rock drills
- Type and brands of different types of drill rigs
- Loaders for rock excavations in underground and surface operations
- Transportation equipment in mines and rock excavation operations
- Optimal selection of equipment for different operations
- Cycle time and cycle time calculations

Contents

In the course you will learn about and work with:

Basic theory for percussive drilling, drilling equipment and related problem, optimisation of drill performance, equipment for loading and transportation and related problems and equipment selection for different operations and work processes.

Realization

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

The course is based on lectures and project assignment

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 with differentiated grades and assignments during the course

Overlap

The course D7002B is equal to ABD015

1000

Literature. Valid from Autumn 2007 Sp 1

Scientific papers, manufacturers material and seminar material.

Course offered by

Department of Civil, Environmental and Natural Resources Engineering

Items/credits

Number	Type	Credits	Grade
0001	Written exam	4.5	G U 3 4 5
0002	Exercise	3	U G#

Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

Last revised

by Eva Gunneriusson 2013-02-08

Syllabus established

The plan is established by the Department of Civil and Environmental Engineering 2006-02-13 and is valid from H-06.