SYLLABUS

Sampling and Analysis of Geomaterials 7.5 credits L7018K

Provtagning och analys av geomaterial

Course syllabus admitted: Autumn 2011 Sp 1 - Autumn 2011 Sp 1

DECISION DATE
2011-02-04

Luleå University of Technology 971 87 Luleå, Sweden
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LULEÅ TEKNISKA UNIVERSITET

Sampling and Analysis of Geomaterials 7.5 credits L7018K

Provtagning och analys av geomaterial

Second cycle, L7018K

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

Entry requirements

Basic chemistry and geology

Selection

The selection is based on 30-285 credits

Examiner

Anton Boman

Course Aim

The overall aim of the course is to: - be able to reflect over how sampling strategy, sample handling and analytical techniques, can influence the information obtained from an exploration and/or environmental programme Important learning objectives are: - be able to describe the most common analytical methods for geo-materials - be able to apply the most relevant sampling and analytical techniques for different types of geo-materials

Contents

Common sampling and analytical methods in environmental and exploration programmes. Practical geophysical and geochemical sampling and measurements in the field. Study visit to a commercial analytical laboratory.

Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.
Lectures, lessons, field exercises and study visit.

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.
The theoretical parts of the course are examined with a written exam. Two written assignments are given on the practical parts in the course.

Literature. Valid from Autumn 2007 Sp 1

Announced at course start

Course offered by

Department of Civil, Environmental and Natural Resources Engineering

Items/credits

Number	Type	Credits	Grade
0001	Short written exam	4.5	G U 3 4 5
0002	Assignment report I	1.5	U G#
0003	Assignment report II	1.5	U G#

Last revised

by Eva Gunneriusson 2011-02-04

Syllabus established

Course plan approved by the Department of Chemical Engineering and Geosciences 2007-02-28.