SYLLABUS

STUDY YEAR 2021/2022

Arctic Mineral Resources

Enrollment semester Autumn 2021

DATE
2020-09-24

REFERENCE NO.
LTU-1667-2020

DECISION MAKER
Vice Dean, Faculty of Science and Technology

Luleå University of Technology 971 87 Luleå, Sweden
Phone: +46 (0)920 49 10 00 • Corporate Identity: 202100-2841

LULEÅ TEKNISKA UNIVERSITET

Programme content and structure

The programme comprises 120 ECTS mandatory to all students, incl specialization courses and master thesis.

The programme is given in collaboration with Technical University of Denmark (DTU, Denmark) and University of Oulu (UO, Finland). The programme is structured into two study tracks:

Mineral Resource Management (given at DTU and LTU) focuses on mineral production processes and infrastructure in the Arctic environment. The programme comprises technical courses, courses on mining and environmentallegislation, incl permitting procedures, mineral economics and logistics and infrastructure.

Mineral Entrepreneurship (given at UO and LTU) focuses on entrepreneurship for mine project development in the Arctic regions.The programme comprises technical courses, courses on economical and environmental aspects, mining business administration and mineral resource evaluation

The student mobility scheme goes through the following scheme:
Semester for both tracks is given by LTU in Luleå Semester: Mineral Resource Management: Arctic semester given by DTU on Greenland, Mineral Entrepreneurship: Nordic entrepreneur school given by UO in Oulu. Semester: Choice between the two universities involved in the respective track. Semester: Master thesis at one the two universities involved in the respective track. For admission to master thesis, the specified prerequisites of the syllabus must be met. Specific information about the application and admission process for master thesis is secured by the course giving institution.

Credits

120 credits

Degree

- Degree of Master of Science (120 credits) - Major; Geosciences

Entry requirements

A Bachelor's degree with a minimum of 180 ECTS with at least 60 ECTS in Physics, Chemistry, Geology or Arctic Technology, Mining/Civil or Minerals Engineering or other similar engineering fields. At least 15 ECTS in Mathematics at university level is required.

Good knowledge in English, equivalent to English B/6.

Selection

The selection procedure is based on academic qualifications, quality and quantity aspects.

Selection group

Academic: 100%

Compulsory courses