

Cycle view of the study programme

B1 Or Th Pr Au Cr

Focus courses (B2 : 30Cr)

Choose one module from : (B2 : 30Cr)

Lulea - Advanced Courses (B2 : 30Cr)

Characterization

HULG0423-1 *Mining geology* (english language) - N... B2 Q1 45 30 - 7,5

Processing

HULG0424-1 *Mineral processing II* (english language) - N... B2 Q1 45 30 - 7,5

Modelling

HULG0426-1 *Geometallurgy* (english language) - N... B2 Q1 46 20 - 7,5

Choose one course from the following : (B2 : 7,5Cr)

HULG0425-1 *Simulation of mineral processing* (english language) - N... B2 Q1 40 35 - 7,5

HULG9143-1 *Senior Design Project in Mineral processing* (english language) B2 Q1 - - - 7,5

Freiberg - Advanced Courses (B2 : 30Cr)

this course list is for students enrolled in Block 1 of the master's degree in 2018-2019.

Choix d'une liste de cours (B2 : 30Cr)

List 1 (B2 : 30Cr)

Processing

HULG9343-1 *Project-Process Design Mineral Processing/Recycling* (english language) B2 Q1 15 90 - 8

HULG9383-1 *Selective Separation of Strategic Elements* (english language) B2 Q1 30 30 - 5

HULG9384-1 *Thermodynamics and Heat Transfer* (english language) B2 Q1 15 30 - 4

HULG9385-1 *Practice of secondary raw materials* (english language) B2 Q1 15 60 - 4

Management

HULG9386-1 *Resource Management* (english language) B2 Q1 30 30 - 6

Choose one of the following courses : (B2 : 6Cr)

HULG9387-1 *Simulation of sustainable nonferrous metallurgical process systems* (english language) B2 Q1 30 - - 6

HULG9388-1 *Mineral Liberation Analysis of Mineral Resources* (english language) B2 Q1 30 - - 3

List 2 (B2 : 30Cr)

Processing

HULG9343-1 *Project-Process Design Mineral Processing/Recycling* (english language) B2 Q1 15 90 - 5

HULG9805-1 *Training in Particle Technology* (english language) B2 Q1 - - - 4

HULG9806-1 *Recycling - Technology for secondary raw materials* (english language) B2 Q1 - - - 6

HULG9385-1 *Practice of secondary raw materials* (english language) B2 Q1 15 60 - 4

HULG9386-1 *Resource Management* (english language) B2 Q1 30 30 - 6

Choose one of the following courses : (B2 : 5Cr)

HULG9807-1	<i>Simulation of Sustainable Metallurgical Process</i> (english language)	B2	Q1	-	-	-	6
HULG9383-1	<i>Selective Separation of Strategic Elements</i> (english language)	B2	Q1	30	30	-	5

Further Informations

Cours au choix du tronc commun (B1 : 30Cr)

Liege - Levelling and Introductory Courses

Choose 6 courses out of the following : (B1 : 30Cr)

Characterization

GEOL0020-7	<i>Mineral resources</i> (english language) - Eric PIRARD - [1d FW, 26h Labo., 32h Proj.]	B1	Q1	26	-	[+]	5
GEOL0312-1	<i>Process mineralogy</i> (english language) - Hassan BOUZHAAH, Eric PIRARD - [25h Labo., 15h Proj.]	B1	Q1	25	-	[+]	5

Processing

GEOL0314-1	<i>Mineral processing I - basics</i> (english language) - Stoyan GAYDARDZHIEV - [30h Labo., 10h Proj., 1,5d FW]	B1	Q1	30	-	[+]	5
GEOL0315-1	<i>Solid Waste and by products processing</i> (english language) - Stoyan GAYDARDZHIEV - [20h Labo., 7h Proj., 1,5d FW]	B1	Q1	20	-	[+]	5

Modelling

MATH0006-3	<i>Introduction to numerical analysis</i> (english language) - Quentin LOUVEAUX	B1	Q1	20	20	-	5
GEOL0097-2	<i>Geostatistics</i> (english language) - Eric PIRARD - [30h Labo.]	B1	Q1	30	-	[+]	5

Management

GEOL1045-1	<i>Economic and societal issues in mining and recycling</i> (english language) - Eric PIRARD - [30h Proj., 2d FW]	B1	Q1	15	-	[+]	5
GEOL0237-2	<i>Exploitation of mineral deposits</i> (english language) - Nicolas VASBINDER - [2d FW]	B1	Q1	25	15	[+]	5

Cours obligatoires du tronc commun (B1 : 30Cr)

Nancy - Basic Courses

Characterization

HULG0417-1	<i>Advanced characterization of mineral surfaces/water interface</i> (english language) - N...	B1	Q2	35	10	-	5
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Processing

HULG0418-1	<i>Case study of ore processing</i> (english language) - N...	B1	Q2	10	40	-	5
HULG0419-1	<i>Advanced mineral processing</i> (english language) - N...	B1	Q2	57	18	-	8

Modelling

HULG0421-1	<i>Resources modelling and evaluation</i> (english language) - N...	B1	Q2	25	25	-	5
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Management

HULG9270-1	<i>Management of resources</i> (english language) - N...	B1	Q2	25	25	-	5
HULG9342-1	<i>Exploitation of mineral raw materials and environmental impact of mining</i> (english language)	B1	Q2	9	16	-	2

Cours obligatoires du tronc commun (B2 : 30Cr)

Freiberg or Lulea or Nancy or Liege - Master Thesis

Master MSc. in Geological and Mining Engineering, professional focus in
geometallurgy (EMERALD) (Erasmus mundus)

ASTG0113-1	<i>Internship with one of the associate industrial partners</i> (english language) - N...	B2	Q2	-	-	-	5
ATFE0020-1	<i>Master thesis</i> (english language) - N...	B2	Q2	-	-	-	25