

Cycle view of the study programme

Bl Or Th Pr Au Cr

Further Informations

Common core courses (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 BOUZAHAH, 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

Core curriculum compulsory courses (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

Core curriculum compulsory courses (B2 : 30Cr)

Freiberg or Lulea or Nancy or Liege - Master Thesis

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

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

HULG0426-1	Geometallurgy (english language) - N...	B2	Q1	46	20	-	7,5
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Choose one course from the following : (B2 : 7,5Cr)

HULG0425-1	Simulation of mineral processing (english language) - N...	B2	Q1	40	35	-	7,5
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HULG9143-1	Senior Design Project in Mineral processing (english language)	B2	Q1	-	-	-	7,5
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Freiberg - Advanced Courses (B2 : 30Cr)

This list of courses is reserved for students enrolled in block 1 of the master's programme in 2018;2019.

Select a course list (B2 : 30Cr)

List 1 (B2 : 30Cr)

Processing

HULG9343-1	Project-Process Design Mineral Processing/Recycling (english language)	B2	Q1	15	90	-	8
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HULG9383-1	Selective Separation of Strategic Elements (english language)	B2	Q1	30	30	-	5
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HULG9384-1	Thermodynamics and Heat Transfer (english language)	B2	Q1	15	30	-	4
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HULG9385-1	Practice of secondary raw materials (english language)	B2	Q1	15	60	-	4
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Management

HULG9386-1	Resource Management (english language)	B2	Q1	30	30	-	6
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Choose one of the following courses : (B2 : 6Cr)

HULG9387-1	Simulation of sustainable nonferrous metallurgical process systems (english language)	B2	Q1	30	-	-	6
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HULG9388-1	Mineral Liberation Analysis of Mineral Resources (english language)	B2	Q1	30	-	-	3
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List 2 (B2 : 30Cr)

Processing

HULG9343-1	Project-Process Design Mineral Processing/Recycling (english language)	B2	Q1	15	90	-	5
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HULG9805-1	Training in Particle Technology (english language)	B2	Q1	-	-	-	4
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HULG9806-1	Recycling - Technology for secondary raw materials (english language)	B2	Q1	-	-	-	6
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HULG9385-1	Practice of secondary raw materials (english language)	B2	Q1	15	60	-	4
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HULG9386-1	Resource Management (english language)	B2	Q1	30	30	-	6
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Choose one of the following courses : (B2 : 5Cr)

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

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
HULG9388-1	<i>Mineral Liberation Analysis of Mineral Resources</i> (english language)	B2	Q1	30	-	-	3