

International Master of Science in Advanced Mineral Resources Development

Study Program

First Semester Montanuniversitat Leoben

Module	credits
Obligatory	
Mineral Economics (200.193)	3
Feasibility Study for a Mineral Resources Project (200.000)	7
Computer Application in Mining (200.208)	2
Deposit Modelling (200.205)	2
Numerical methods of deposit modelling (200.207)	2
Seminar in Mining Engineering & Mineral Economics (200.029)	3
Lab in Mining Engineering (200.033)	3
English Language	3
Electives (5 credits)	
Mining (raw material production) within the legal framework of Austria and the European Union	2
Introduction into Surpac use	2
Russian Language*	3
German Language*	3

* Not selectable for students when language module is mother language

Second semester TU Bergakademie Freiberg

Environmental related topics			
No	Name of modules	Hours/week L/E/P	Credits
	Compulsory Courses		
1	Reclamation	45/30/15	6
2	Brown Field Revitalisation	16/16/16	6
3	Radioactivity	40/0/40	6
4	Mine water: Chemistry and Treatment	40/0/40	6
	Electives (6 credits)**:		
1	Management and Finance of Mining Operations along the Life Cycle	30/30/0	6
2	Project and Contract Management	45/0/75	6
3	Licensing, Stakeholder Involvement and Expectation Management	40/0/40	6
4	Mine Water: Chemistry and Treatment	40/0/40	6
5	Geoscience Information Systems and Geomonitoring	16/16/16	6
6	Biotechnology in Mining	15/15/22	4
7	Russian *	30/30/0	4
8	German Basic Level 1B *	30/30/0	4
9	Free choice from study programs		2

L - Lecture, E – Exercise, Seminar, -Practical work/Laboratories

* Not selectable for students when language module is mother language

** The electives can be changed by the decision of the faculty and announced in the beginning of the semester

Third semester National Mining University Dnipropetrovsk

Module	credits
Obligatory	
Geo-technology: Underground Mining, Open Cast Mining, Underground Construction	9
Geo-mechanics	6
Mineral processing	6
Technical and Economical assessment of Mining and Post Mining areas	4
English Language	
Electives (minimum 5 credits):	
Freies Wahlmodul aus dem Lehrangebot der Nationalen Bergbauuniversität Dnipropetrowsk im Umfang von mindestens 5 LP	5
Russian Language *	5
German Language *	5

* Not selectable for students when language module is mother language

Transcription of Grades

Montanuniversitat Leoben	TU Bergakademie Freiberg
1	1,0
2	2,0
3	3,0
4	4,0
5 (fail)	5

TU Bergakademie Freiberg	Montanuniversitat Leoben
1,0-1,5	1
1,6-2,5	2
2,6-3,5	3
3,6-4,0	4
5	5 (fail)

National Mining University Dnipropetrovsk (ECTS)	TU Bergakademie Freiberg
A	1,0
B	2,0
C	3,0
D	3,3
E	4,0
F (fail)	5

TU Bergakademie Freiberg	National Mining University Dnipropetrovsk (ECTS)
1,0-1,5	A
1,6-2,0	B
2,1-3,0	C
3,1-3,5	D
3,6-4,0	E
5	F (fail)

Montanuniversitat Leoben	National Mining University Dnipropetrovsk (ECTS)
1	A
2	B
3	C
4	E
5 (fail)	F

National Mining University Dnipropetrovsk (ETCS)	Montanuniversitat Leoben
A	1
B	2
C	3
D	3
E	4
F (fail)	5 (fail)