

European Mining Course

1st Year, 1st semester

Aalto

	H/BS	Business Strategies and Risk Evaluation in Mining	5
	H/MR	Mineral Resource Definition	10
	H/ES	Environment and Sustainable Development	5
	H/AR	Applied Rock and Soil Mechanics	5
	H/FE	Field Experience and Project in Hard Rock Mining	5

1st Year, 2nd semester

RWTH Aachen

	A/FS	Feasibility Studies and Project Management	3
	A/RM	Reserve Modelling and Estimation	4
	A/UM	Underground Mine Design	4
	A/SM	Surface Mine design	4
	A/FM	Financial Modelling	2
	A/MV	Mine Ventilation	6
	A/CS	Case Study,	7

2nd Year, 1st semester

TU Delft

	D/MRD	Mineral Resource Definition	5
	D/HS	Legal, Health and Safety	5
	D/FE	Financial Engineering and investment scenarios	5
	D/MOM	Mine Operational Management	5
	D/BOM	Business and Quality Management (Mine Planning Optimisation)	5
	D/PEIP	Project Execution/Implementation Plan	5

2nd Year, 2nd semester

Final Thesis

		Final Thesis	30
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European Geotechnical and Environmental Course (EGEC)

1st Year, 1st semester			
Miskolc University			
	M/MR	Mineral resource definition	8
	M/GF	Engineering and mining geophysics (incl. Data Acquisition in geophysics)	3
	M/ER	Environmental risk assessment and geohydrology	5
	M/UW	Underground waste management and storage	4
	M/GE	Geothermal Energy	4
	M/MW	Mine waste and contaminated soil characterization and treatment	6
1st Year, 2nd semester			
Wroclaw University of Technology			
	W/PM	Project Management, Appraisal and Risk Evaluation in Mining	5
	W/GM	Theory and Practice in Geomechanics	7
	W/CM	Computer Aided Geological Modelling & Land Reclamation	3
	W/TU	Tunnel and Underground Excavation Design	5
	W/OP	Excavation Design in Open Pit Mining	5
	W/DG	Integrated analysis of deformations in geomechanical engineering	5
2nd Year, 1st semester			
Delft University of Technology			
	D/EG	Environmental Geotechnics	4
	D/RM	Rock Mechanics Applications	5
	D/SR	Material Models for Soils & Rocks	6
	D/IP	Integrated Project (Environmental Management / Mine Closure)	15
2nd Year, 2nd semester			
Location 4			
		Final Thesis	30

European Mineral Engineering Course (EMEC)

1st Year, 1st semester			
Miskolc University			
	M/PP	Particulate processes	6
	M/MP	Mechanical processes	9
Wroclaw University of Technology			
	W/HY	Hydrometallurgy	5
	W/PM	Pyrometallurgy	5
	W/BM	Biomining	5
	W/FL	Flotation	5
1st Year, 2nd semester			
Aalto Helsinki			
	H/SS	Sustainable systems for inorganic raw materials	10
	H/PD	Mineral and Recycling Beneficiation Plant Design	8
	H/PO	Mineral & recycling beneficiation Process Optimization	7
2nd Year, 1st semester			
Aalto Helsinki			
	H/ID	Industrial design	10
	H/SM	Sustainable system modelling	10
	H/DP	Design project	10
2nd Year, 2nd semester			
Location 4			
		Final Thesis	30