

Major Mineral Resource Engineering

	Exam type*	Credit points CP			
		SuSe	flexible	WiSe	
A Compulsory field Mineral Resource and Process Engineering					
Research-oriented modules					
Planning Seminar Mineral Resource Engineering or Process Engineering	SP	10			
Writing and Publishing Specialist Articles and Conference Papers, Simulation Game	SP			10	
Practice of Business and Research, Project Work	SP		10		
Master's Thesis and Final Oral Examination (Colloquium)	W 27, O 3		30		
Management Skills					
Sustainable Management and Communication	WE			5	
Health and Safety, Environmental Aspects 2	WE			5	
Controlling, Leadership and Corporate Governance	We			5	
Sustainable Energy and Raw Materials Supply	W/O			5	
B Optional compulsory field, major Mineral Resource Engineering					
Surface and Underground Mining Equipment					
Surface and Underground Mining Equipment	WE 4, SP 1	5			
Surface Mine Design					
Surface Mine Design	WE			5	
Underground Mine Design					
Underground Mine Design	W/O			5	
Mining-Induced Ground Movements and their Consequences					
Mining-Induced Ground Movements and their Consequences	WE			5	
Mine Planning and Feasibility Studies					
Mine Planning and Feasibility Studies	W/O	5			
Mine Ventilation 2					
Mine Ventilation 2	W/O 4, SP 1			5	
Software-based Mineral Deposit and Mine Modelling					
Software-based Mineral Deposit and Mine Modelling	WE 4, SP 1	5			
Optional compulsory module from the major Process Engineering					
Optional compulsory module from the major Process Engineering	see module description		5		
Total result		25	45	50	120

Curriculum part-time studies

Sem. 1			20	
Sem. 2	20			
Sem. 3			20	
Sem. 4	20			
Sem. 5, Master's thesis in proportion			20	
Sem. 6, Master's thesis	20			
Total result	60			60

Curriculum full-time studies

Sem. 1			30	
Sem. 2	30			
Sem. 3			30	
Sem. 4, Master's thesis	30			
Total result	60			60

* WE = written exam, OE = oral exam, W/O = written or oral exam, SP = written seminar paper and/or presentation, CA = certificate of attendance required for admission to the examination; numbers mark assigned credit points

Major Process Engineering

	Exam. type*	Credit points CP			
		SuSe	flexible	WiSe	
A Compulsory field Mineral Resource and Process Engineering					
Research-oriented modules					
Planning Seminar Mineral Resource Engineering or Process Engineering	SP	10			
Writing and Publishing Specialist Articles and Conference Papers, Simulation Game	SP			10	
Practice of Business and Research, Project Work	SP		10		
Master's Thesis and Final Oral Examination (Colloquium)	W 27, O 3		30		
Management Skills					
Sustainable Management and Communication	WE			5	
Health and Safety, Environmental Aspects 2	WE			5	
Controlling, Leadership and Corporate Governance	WE			5	
Sustainable Energy and Raw Materials Supply	W/O			5	
C Optional compulsory field, major Process Engineering					
Mechanical Process Engineering 3.1					
Processing Mineral and Secondary Raw Materials	CA, W/O or SP	5			
Mechanical Process Engineering 3.2					
Handling Disperse Systems – Bulk Material Technology – Transport, Storage, Bunkering	CA, W/O or SP			5	
Thermal Process Engineering 3.1					
Energy Efficiency of Plants and Processes	CA, O/W			5	
Thermal Process Engineering 3.2					
Thermal Separation Processes III	CA, O/W	5			
Chemical Process Engineering 3					
Plant Safety and Scale-up, Industrial Chemistry	CA, O/W			5	
Simulation 3					
Simulation 3	CA, W/O or SP	5			
Analytics and Environmental Analytics					
Analytics and Environmental Analytics	CA, W/O or SP			5	
Optional compulsory module from the major Mineral Resource Engineering					
Optional compulsory module from the major Mineral Resource Engineering	see module description		5		
Total result		25	45	50	120

Curriculum part-time studies

Sem. 1			20	
Sem. 2	20			
Sem. 3			20	
Sem. 4	20			
Sem. 5, Master's thesis in proportion			20	
Sem. 6, Master's thesis	20			
Total result	60		60	120

Curriculum full-time studies

Sem. 1			30	
Sem. 2	30			
Sem. 3			30	
Sem. 4, Master's thesis	30			
Total result	60		60	120

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