

# Oulun yliopisto, Teknillinen tiedekunta

Kaivos- ja rikastustekniikan maisteriohjelma 2018-2019 (myös Mineral Processing & Sustainable Mining -kv-ohjelma)

Diplomi-insinööri

				2018		2019		2019		2020	
Vuosi/lukukausi				1. syksy		1. kevät		2. syksy		2. kevät	
Koodi	Nimi	Op	Periodit	P1	P2	P3	P4	P1	P2	P3	P4
<b>Opintosuunnat, valitse yksi*</b>											
<b>Opintosuunta: Mineral Processing*</b>											
772694S	Geometallurgy and mineral processing	5,0	II						5,0		
493606S	Mine Geology	5,0	I	5,0							
772335A	Introduction to ore mineralogy	5,0	II	2,5	2,5						
477713S	Automation in mineral processing	5,0	IV				5,0				
493605S	Ore beneficiation technologies	5,0	II		5,0						
49xxxxS	Process modeling in mineral processing NEW COURSE	5,0	III-IV					2,5	2,5		
493607S	Quality requirements for concentrate	5,0	III			5,0					
493608S	Development of beneficiation processes	10,0	III-IV			5,0	5,0				
492603S	Mining project feasibility study	4,0	IV				5,0				
493609S	Mining, environment and society	5,0	III			5,0					
491602S	Syventävä työharjoittelu	5,0	I					5,0			
	Valinnaisia opintoja	30,0	I-II	5,0	10,0			7,5	7,5		
<b>Opintosuunta: Mining Engineering*</b>											
493301A	Mining geophysics	5,0	I	5,0							
49xxxxS	Advanced rock mechanics NEW COURSE	5,0	IV				5,0				
772694S	Geometallurgy and mineral processing	5,0	II						5,0		
492607S	Stress wave theory and applications	5,0	I	5,0							
49xxxxS	Rock dynamics and applications NEW COURSE	5,0	II		5,0						
492600S	Mining engineering	10,0	III-IV			5,0	5,0				
492608S	Rock blasting	5,0	II						5,0		
492602S	Financial and project valuation of mining	5,0	II		5,0						
492603S	Mining project feasibility study	5,0	IV				5,0				
466107S	Betonirakenteiden suunnittelu	6,0	III-IV			3,0	3,0				
493609S	Mining, environment and society	5,0	III			5,0					
491602S	Syventävä työharjoittelu	5,0	I					5,0			

	Valinnaisia opintoja	29,0		5,0	5,0		4,0	5,0	10,0		
<b>Opintosuunta: Applied Geophysics*</b>											
493301A	Mining geophysics	5,0	I	5,0							
494601S	Electrical and EM-methods I	5,0	I								
494602S	Electrical and EM-methods II	5,0	II								
494603S	GIS applications	5,0	II		5,0						
494604S	Seismic soundings	5,0	IV				5,0				
494605S	Potential fields and airborne geophysics I	5,0	I	5,0							
494606S	Potential fields and airborne geophysics II	5,0	II		5,0						
493606S	Mine geology	5,0	I					5,0			
492603S	Mining project feasibility study	5,0	IV				5,0				
493609S	Mining, environment and society	5,0	III			5,0					
492602S	Financial and project valuation of mining	5,0	II		5,0						
491602S	Syventävä työharjoittelu	5,0	I					5,0			
	Valinnaisia opintoja	30,0		5,0		7,5	7,5		10,0		
<b>Diplomityö</b>											
491601S	Diplomityö	30,0	III-IV							15,0	15,0
491600S	Kypsyysnäyte	0,0	IV								0,0
Mineral Processing				30,0		30,0		30,0		30,0	
				60,0				60,0			
Mining Technology				30,0		30,0		30,0		30,0	
				60,0				60,0			
Applied Geophysics				30,0		30,0		30,0		30,0	
				60,0				60,0			