

Course Requirements and Registration Priorities
School of Mining and Geosciences (Master), Spring 2023

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SMG											
Mining Engineering											
1	MINE 507	Rock Excavation Methods	3	6				1 year Gr SMG Mining Engineering			
2	MINE 508	Advanced Rock Mechanics	3	6				1 year Gr SMG Mining Engineering			
3	MINE 509	Advanced Surface Mine Design	3	6				1 year Gr SMG Mining Engineering			
4	MINE 510	Advanced Underground Mine Design	3	6				1 year Gr SMG Mining Engineering			
5	MINE 607	Geometallurgy	3	6				2 year Gr SMG Mining Engineering	Biomedical Engineering, Chemical Engineering, Chemical and Materials Engineering, Civil Engineering, Civil and Environmental Engineering, Computer Science, Data Science, Electrical and Computer Engineering, Electrical and Electronic Engineering, Engineering Management, Industrial and Systems Engineering, Mechanical Engineering, Mechanical and Aerospace Engineering, Robotics		
6	MINE 691	Thesis II	15	30	MINE 690 Thesis I (4531) (P)			2 year Gr SMG Mining Engineering			
Petroleum Engineering											
7	PETE 506	Advanced Reservoir Simulation	3	6				Petroleum Engineering			
8	PETE 507	Advanced Reservoir Engineering	3	6				Petroleum Engineering			
9	PETE 508	Advanced Production Engineering	3	6				Petroleum Engineering			
10	PETE 606	Advanced Enhanced Oil Recovery	3	6				Petroleum Engineering			
11	PETE 620	Thesis II	12	24				Petroleum Engineering			