

**Course Requirements and Registration Priorities
School of Mining and Geosciences (Master), Fall 2021**

#	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 501	Foundations of Mining	3	6				Mining Engineering			
2	MINE 502	Geology for Mining Engineers	3	6				Mining Engineering			
3	MINE 503	Applied Geostatistics	3	6				Mining Engineering			
4	MINE 504	Mine Geomechanics	3	6				Mining Engineering			
5	MINE 505	Advanced Mine Ventilation	3	6				Mining Engineering			
6	MINE 601	Mine Management and Sustainability	3	6				Mining Engineering			
7	MINE 602	Mine Maintenance and Services	3	6	MINE 502 Geology for Mining Engineers (3691) (C- and above)			Mining Engineering			
8	MINE 605	Mechanized Excavation and Tunnelling	3	6				Mining Engineering	Biomedical Engineering, Chemical and Materials Engineering, Civil and Environmental Engineering, Computer Science, Data Science, Electrical and Computer Engineering, Engineering Management, Mechanical and Aerospace Engineering, Robotics		
9	MINE 606	Underground Hard Rock Geotechnical Engineering	3	6				Mining Engineering	Biomedical Engineering, Chemical and Materials Engineering, Civil and Environmental Engineering, Computer Science, Data Science, Electrical and Computer Engineering, Engineering Management, Mechanical and Aerospace Engineering, Robotics		
10	MINE 690	Thesis I	6	12				Mining Engineering			
Petroleum Engineering											

11	PETE 501	Foundations of Petroleum Engineering	3	6				Petroleum Engineering			
12	PETE 502	Petroleum Geology	3	6				Petroleum Engineering			
13	PETE 503	Fluid Flow Through Porous Media	3	6				Petroleum Engineering			
14	PETE 504	Advanced Formation Evaluation	3	6				Petroleum Engineering			
15	PETE 505	Advanced Drilling Engineering	3	6				Petroleum Engineering			
16	PETE 509	Advanced Well Testing and Evaluation	3	6				Petroleum Engineering			
17	PETE 600	Thesis I	6	12				Petroleum Engineering			
18	PETE 601	Petroleum Data Analytics	3	6				Petroleum Engineering			
19	PETE 602	Research Seminar	3	6				Petroleum Engineering			