

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

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
<b>SMG</b>											
<b>Mining Engineering</b>											
1	MINE 501	Foundations of Mining	3	6				1 year Gr SMG Mining Engineering			
2	MINE 502	Geology for Mining Engineers	3	6				1 year Gr SMG Mining Engineering			
3	MINE 503	Applied Geostatistics	3	6				1 year Gr SMG Mining Engineering			
4	MINE 504	Mine Geomechanics	3	6				1 year Gr SMG Mining Engineering			
5	MINE 505	Advanced Mine Ventilation	3	6				1 year Gr SMG Mining Engineering			
6	MINE 602	Mine Maintenance and Services	3	6	MINE 502 Geology for Mining Engineers (3691) (C- and above)			2 year Gr SMG Mining Engineering			
7	MINE 605	Mechanized Excavation and Tunnelling	3	6				2 year Gr SMG Mining Engineering			
8	MINE 607	Geometallurgy	3	6				2 year Gr SMG Mining Engineering			
9	MINE 690	Thesis I	6	12				2 year Gr SMG Mining Engineering			
<b>Petroleum Engineering</b>											
10	PETE 501	Foundations of Petroleum Engineering	3	6				1 year Gr SMG Petroleum Engineering			
11	PETE 502	Petroleum Geology	3	6				1 year Gr SMG Petroleum Engineering			
12	PETE 503	Fluid Flow Through Porous Media	3	6				1 year Gr SMG Petroleum Engineering			
13	PETE 504	Advanced Formation Evaluation	3	6				1 year Gr SMG Petroleum Engineering			
14	PETE 505	Advanced Drilling Engineering	3	6				1 year Gr SMG Petroleum Engineering			
15	PETE 509	Advanced Well Testing and Evaluation	3	6				2 year Gr SMG (pending graduation), 2 year Gr SMG Petroleum Engineering			
16	PETE 600	Thesis I	6	12				2 year Gr SMG Petroleum Engineering			
17	PETE 601	Petroleum Data Analytics	3	6				2 year Gr SMG Petroleum Engineering			

18	PETE 602	Research Seminar	3	6				2 year Gr SMG Petroleum Engineering			
19	PETE 620	Thesis II	12	24				3 year Gr SMG (pending graduation)			