

**Course Requirements and Registration Priorities
School of Mining and Geosciences (Master), Fall 2019**

#	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 603	Multivariate Geostatistics	3	6	MINE 503 Applied Geostatistics (3692) (C- and above)			Mining Engineering			
9	MINE 606	Underground Hard Rock Geotechnical Engineering	3	6				Mining Engineering			
10	MINE 690	Thesis I	6	12				Mining Engineering			
Petroleum Engineering											
11	PETE 501	Foundations of Petroleum Engineering	3	6				Petroleum Engineering	2 year Gr SMG Petroleum Engineering	SEDS, SSH	
12	PETE 502	Petroleum Geology	3	6				Petroleum Engineering	SEDS, SSH		
13	PETE 503	Fluid Flow Through Porous Media	3	6				Petroleum Engineering	SEDS, SSH		
14	PETE 504	Advanced Formation Evaluation	3	6				Petroleum Engineering	SEDS, SSH		
15	PETE 505	Advanced Drilling Engineering	3	6				Petroleum Engineering	SEDS, SSH		
16	PETE 509	Advanced Well Testing and Evaluation	3	6				Petroleum Engineering	SEDS, SSH		
17	PETE 600	Thesis I	6	12				Petroleum Engineering			

18	PETE 601	Petroleum Data Analytics	3	6				Petroleum Engineering			
19	PETE 612	Research Proposal Preparation	3	6				Petroleum Engineering			