TOTAL COURSE-PROGRAMME OUTCOMES RELATIONSHIP

					Programme Outcomes																						
Code	**Course Name**	**T**	**P**	**ECTS**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**
	Spring Term																										
MUH5001	**Scientific Research Methods**	**2**	**0**	**6**	4	2	3	1	5	4	4	3															
MAD5003	**Special Topics-I**	**5**	**0**	**10**																							
MAD5005	**Thesis Research**	**0**	**1**	**20**																							
MAD5007	**Seminar**	**0**	**2**	**6**																							
MAD5101	**Index Tests in Rock Mechanics**	**2**	**0**	**6**	4	4	3	4	5	2	4	2															
MAD5103	**Mining Business Economy**	**2**	**0**	**6**	5	4	4	4	5	4	5	5															
MAD5105	**Mechanical Activation in Minerals Engineering**	**2**	**0**	**6**	4	3	5	2	2	4	5	1															
MAD5107	**Calculations and Grinding Process Control**	**2**	**0**	**6**	5	5	5	4	5	2	3	3															
MAD5109	**Drilling and Blasting Applications**	**3**	**0**	**8**	4	3	2	5	3	4	4	5															
MAD5111	**Clean Coal Technologies**	**3**	**0**	**8**	3	3	5	4	3	3	4	3															
MAD5113	**Mineral Processing Design of Experiments**	**3**	**0**	**8**	5	5	4	2	5	3	3	3															
MAD5115	**Environmental Impact Assesment in Mines**	**3**	**0**	**8**	3	3	0	3	2	4	3	4															
MAD5117	**Recultivation in Surface Mining**	**3**	**0**	**8**	4	4	4	5	5	4	5	5															
MAD5119	**Rock Slope Stability and Applications**	**3**	**0**	**8**	4	5	4	4	2	3	2	4															
MAD6101	**Geostatistics Methods in Mining**	**3**	**0**	**10**	4	4	3	4	2	2	3	3															

MAD6103	**Micronized Grinding**	**3**	**0**	**10**	4	4	5	4	2	2	5	2														
MAD6105	**Advanced Flotation Techniques**	**3**	**0**	**10**	4	4	5	5	5	2	3	2														
MAD6107	**Mechanical Rock Excavation Techniques**	**3**	**0**	**10**	4	4	3	5	4	5	4	4														
	Autumn Term																									
MAD5004	**Special Topics-II**	**5**	**0**	**10**																						
MAD5006	**Thesis Research**	**0**	**1**	**20**																						
MAD5008	**Seminar**	**0**	**2**	**6**																						
MAD5102	**Tunneling in Difficult Ground**	**2**	**0**	**6**	4	3	4	5	4	5	4	4														
MAD5104	**Quality and Vocational Standarts**	**2**	**0**	**6**	5	4	5	4	4	5	4	5														
MAD5106	**Separation in Mineral Industry**	**2**	**0**	**6**	4	4	5	4	3	2	5	2														
MAD5108	**Planning of Blasting in Open Pits**	**2**	**0**	**8**	4	4	3	4	3	5	4	5														
MAD5110	**Rock Mechanics Applications**	**3**	**0**	**8**	5	5	4	4	3	3	2	3														
MAD5112	**Computer Aided Statistical Methods**	**3**	**0**	**8**	4	4	2	2	4	3	2	0														
MAD5114	**Pretreatment in Mineral Processing**	**3**	**0**	**8**	3	2	4	4	2	2	5	2														
MAD5116	**Side Mineral Operations Processes**	**3**	**0**	**8**	3	5	5	3	2	3	2	4														
MAD5118	**Industrial Noise Control**	**3**	**0**	**8**	4	4	5	4	4	5	4	4														
MAD5120	**Fine Particle Measurement Techniques**	**3**	**0**	**8**	3	4	5	5	2	2	3	4														
MAD6102	**Energy Resources**	**3**	**0**	**10**	4	4	5	4	5	4	4	5														
MAD6104	**Beneficiation Methods of Fine Particles**	**3**	**0**	**10**	4	3	5	4	2	2	5	2														
MAD6106	**Mineral Processing Surface Chemistry**	**3**	**0**	**10**	3	4	3	5	3	2	2	3														
MAD6108	**Mechanized Tunneling Methods**	**3**	**0**	**10**	4	3	4	4	3	4	4	3														