

CURRICULUM

1st Year of study

No	SUBJECTS	Subject cod	1st Semester (14 weeks)						2nd Semester (14 weeks)					
			C	S	L/P	PI	Examination Form	ECTS	C	S	L/P	PI	Examination Form	ECTS
A. COMPULSORY SUBJECTS (O)														
1	Mathematical Analysis	CVCMFO101	2	2		2	E	5						
2	Linear Algebra, Analytical and Differential Geometry	CVCMFO102	2	2		2	E	5						
3	Descriptive Geometry	CVCMFO103	2		3	2	E	4						
4	Applied Data Processing I	CVCMFO104	2		2	2	C	5						
5	Chemistry	CVCMFO105	2		2	1	E	5						
6	Foreign Languages I	CVCMCO106		2		2	C	3						
7	Physical Education I	CVCMCO107		1			A/R	1						
11	Drafting and Computer - Assisted Graphics	CVCMFO211									3	2	C	4
12	Applied Data Processing II	CVCMFO212							2		2	1	C	5
13	Physics	CVCMFO213							2		2	2	E	5
14	Mechanics I	CVCMFO214							2		2	2	E	5
15	Fluid Mechanics and Hydraulics	CVCMDO215							2		1	1	E	3
16	Foreign Languages II	CVCMCO216								2		2	C	3
17	Physical Education II	CVCMCO217								1			A/R	1
TOTAL O:			10	7	7	11	4E+3C	27	8	3	10	10	3E+4C	25
			24						21					
B. OPTIONAL SUBJECTS (choice) (A)														
8	European Culture, Civilization and Institutions	CVCMCA108	1	1		2	C	3						

9	History of Mining	CVCMCA109													
10	Bases of Economy	CVCMCA110													
18	Numerical Analysis	CVCMFA218													
19	Probability Theory and Mathematical Statistics	CVCMFA219							2	2			2	E	5
TOTAL A:			1	1	0	2	1C	3	2	2	0	2	1E	5	
			2						4						
TOTAL O+A:			11	8	7	13	4E+4C	30	10	5	10	12	4E+4C	30	
			26						25						

Physical Education - credits over total of 60

RECTOR,
Prof.univ.dr.ing. SORIN MIHAI RADU

DEAN,
Prof.univ.dr.ing. ANDREEA IONICĂ

UNIVERSITY of PETROSANI
 FACULTY of MINING
 FIELD of STUDY: CIVIL ENGINEERING
 PROGRAMME of STUDY: **UNDERGROUND STRUCTURES**

Academic Year 2016/2017

CURRICULUM

2nd Year of study

No	SUBJECTS	Subject cod	3rd Semester (14 weeks)						4th Semester (14 weeks)					
			C	S	L/P	PI	Examination Form	ECTS	C	S	L/P	PI	Examination Form	ECTS
A. COMPULSORY SUBJECTS (O)														
1	Material Strength I	CVCMDO301	3		1	2	E	4						
2	Electrotechnics	CVCMDO302	2		1	1	E	4						
3	Thermotechnics	CVCMDO303	2		1	1	E	4						
4	Mechanics II	CVCMDO304	2		1	2	C	3						
5	Constructions Statics, Stability and Dynamics I	CVCMDO305	2		1	1	C	4						
6	Geology	CVCMDO306	2		2	2	E	4						
7	Constructions Materials	CVCMDO307	2		2	2	C	4						
8	Foreign Language	CVCMDO308		2		1	C	3						
9	Physical Education III	CVCMCO309		1			A/R	1						
10	Material Strength II	CVCMDO410							3		1	2	C	5
11	Surveying	CVCMDO411							2		2	2	E	4
12	Geotechnics	CVCMDO412							2		2	2	E	4
13	Constructions Statics, Stability and Dynamics II	CVCMDO413							3		2	2	E	5
14	Reinforced and Pre-Compressed Concrete	CVCMDO414							3		2	2	E	5
15	Industrial Explosives	CVCMDO415							2		2	2	C	4
16	Physical Education IV	CVCMCO416								1			A/R	1
17	Surveying Training	CVCMDO417									120		C	3
TOTAL O:			15	3	9	12	4E+5C	30	15	1	11	12	4E+4C	30
			27						27					

B. OPTIONAL SUBJECTS (choice) (A)														
C. FACULTATIVE SUBJECTS (FREE CHOSEN) (L)														
18	Sustainable Development	CVCMCO418								2			C	2

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DEAN,
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TOTAL A:			2	0	2	2	1C	4	5	0	3	4	2E	6
			4						8					
TOTAL O+A:			15	0	11	14	4E+3C	30	15	0	11	14	4E+4C	30
			26						26					
C. FACULTATIVE SUBJECTS (FREE CHOSEN) (L)														
18	Geodesic Tools and Measurement Methods	CVCMSL518	3		2	2	E	6						
19	Mining Surveying	CVCMSL519	3		3	2	E	5						
20	Engineering Surveying I	CVCMSL620							2		2	2	E	3

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DEAN,
Prof.univ.dr.ing. ANDREEA IONICĂ

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4th Year of Study

No	SUBJECTS	Subject cod	7th Semester (14 weeks)						8th Semester (10 + 4 weeks)							
			C	S	L/P	PI	Examination Form	ECTS	C	S	L/P	PI	Examination Form	ECTS		
A. COMPULSORY SUBJECTS (O)																
1	The Impact of Human Activities on the Environment	CVCMSO701	2		1	2	E	4								
2	Explosive - based Building Demolition	CVCMSO702	2		1	2	E	4								
3	Mining Techniques and Technologies	CVCMSO703	2		2	2	C	4								
4	Mine Ventilation, Health and Labor Safety	CVCMSO704	2	2	1	2	E	6								
5	Special Methods Used in Building	CVCMSO705	2		2	2	E	5			2		C	2		
6	Tunnels	CVCMSO706	2		2	2	C	5								
9	Economy and Legislation in Constructions	CVCMDO809							2	1		2	C	2		
10	Construction Management	CVCMSO810							2		1	2	E	3		
11	Ground Consolidation and Waterproofing	CVCMSO811							2		2	2	E	3		
12	Computer - Assisted Design of Mounds and Slopes	CVCMSO812							3		2	2	E	3		
13	Hydrotechnical Management and Constructions	CVCMSO813							2		1	2	E	3		
14	Underground Areas Management	CVCMSO814							2		1	2	C	2		
17	Research internship for the elaboration of the graduation paper	CVCMSO817									92		C	5		
18	Elaboration of Graduation Projects	CVCMSO818									2		C	5		
TOTAL O:			12	2	9			4E+2C	28	13	1	11		12	4E+5C	28
			23							25						

B. OPTIONAL SUBJECTS (choice) (A)														
7	Architectural Elements	CVCMSA707	2		1	2	C	2						
8	Urbanism and Territorial Development	CVCMSA708												
15	Optimization of Mining Methods and Technologies	CVCMDA815							2		1	2	C	2
16	Mining Sites and Mine Yard	CVCMDA816												
TOTAL A:			2	0	1	2	1C	2	2	0	1	2	1C	2
			3						3					
TOTAL O + A:			14	2	10	14	4E+3C	30	15	1	12	14	4E+6C	30
			26						28					
C. FACULTATIVE SUBJECTS (FREE CHOSEN) (L)														
19	Engineering Surveying II	CVCMSL719	2		2	2	C	5						
20	Cadastré I	CVCMSL720	2		2	2	C	4						
21	Cadastré II	CVCMSL821							2		2	2	C	5
22	Area Management and Systematization	CVCMSL822	2		1	2	C	5						

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