MINISTÉRIO DA EDUCAÇÃO
UNIVERSIDADE FEDERAL DE OURO PRETO
PRÓ-REITORIA DE GRADUAÇÃO

UFOP

COURSE OF MINING ENGINEERING - 2026/2(curriculum 4)

OURO PRETO'S CAMPUS

CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
ARQ109	DESCRIPTIVE GEOMETRY		60/0	72	2	2	1
GEO201	GENERAL GEOLOGY		45/0	54	3	0	1
MIN014	INTRODUCTION TO MINING ENGINEERING		30/0	36	1	1	1
MTM122	DIFFERENTIAL AND INTEGRAL CALCULUS I		90/0	108	6	0	1
MTM730	ANALYTICAL GEOMETRY AND LINEAR ALGEBRA		60/0	72	4	0	1
QUI021	GENERAL CHEMISTRY A		60/0	72	4	0	1
QUI022	EXPERIMENTAL GENERAL CHEMISTRY AB		30/0	36	0	2	1
ARQ209	TECHNICAL DRAWING		30/0	36	1	1	2
BCC104	ALGORITHMS AND PROGRAMMING I		60/0	72	2	2	2
BCC105	NUMERICAL CALCULUS		60/0	72	2	2	2
FIS106	FUNDAMENTALS OF MECHANICS		60/0	72	4	0	2
GEO176	MINERALOGY		45/0	54	1	2	2
MIN015	RESEARCH, COMMUNICATION AND COMMUNITY		30/15	36	1	1	2
MTM123	DIFFERENTIAL AND INTEGRAL CALCULUS II	MTM122	60/0	72	4	0	2
ARQ108	TOPOGRAPHY AND SURVEY DRAWING	ARQ109 GEO201 MIN014 MIN015 MTM122 MTM730 QUI021 QUI022	60/0	72	3	1	3
FIS107	FUNDAMENTALS OF THERMODYNAMICS	ARQ109 GEO201 MIN014 MIN015 MTM122 MTM730 QUI021 QUI022	30/0	36	2	0	3
FIS108	FUNDAMENTALS OF FLUIDS, OSCILLATIONS AND WAVES	ARQ109 GEO201 MIN014 MIN015 MTM122 MTM730 QUI021 QUI022	30/0	36	2	0	3
GEO203	MACROSCOPIC PETROGRAGHY	ARQ109 GEO201 MIN014 MIN015 MTM122 MTM730 QUI021 QUI022	45/0	54	1	2	3
MTM124	DIFFERENTIAL AND INTEGRAL CALCULUS III	ARQ109 GEO201 MIN014 MIN015 MTM122 MTM730 QUI021 QUI022	60/0	72	4	0	3
MTM125	INTRODUCTION TO ORDINARY DIFFERENTIAL EQUATIONS		60/0	72	4	0	3
EST202	STATISTICS AND PROBABILITY	ARQ109 ARQ209 BCC104 BCC105 FIS106 GEO176 GEO201 MIN014 MIN015 MTM122 MTM123 MTM730 QUI021 QUI022	60/0	72	4	0	4
FIS109	FUNDAMENTALS OF ELECTROMAGNETISM	ARQ109 ARQ209 BCC104 BCC105 FIS106 GEO176 GEO201 MIN014 MIN015 MTM122 MTM123 MTM730 QUI021 QUI022	60/0	72	4	0	4
GEO082	ECONOMIC GEOLOGY	ARQ109 ARQ209 BCC104 BCC105 FIS106 GEO176 GEO201 MIN014 MIN015 MTM122 MTM123 MTM730 QUI021 QUI022	45/0	54	2	1	4
GEO177	STRATIGRAPHY	ARQ109 ARQ209 BCC104 BCC105 FIS106 GEO176 GEO201 MIN014 MIN015 MTM122 MTM123 MTM730 QUI021 QUI022	45/0	54	2	1	4

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CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
GEO224	STRUCTURAL GEOLOGY A	ARQ109 ARQ209 BCC104 BCC105 FIS106 GEO176 GEO201 MIN014 MIN015 MTM122 MTM123 MTM730 QUI021 QUI022	60/0	72	2	2	4
QUI117	PHYSICAL CHEMISTRY	ARQ109 ARQ209 BCC104 BCC105 FIS106 GEO176 GEO201 MIN014 MIN015 MTM122 MTM123 MTM730 QUI021 QUI022	90/0	108	4	2	4
CAT177	GENERAL ELECTROTECHNIC	ARQ108 ARQ109 ARQ209 BCC104 BCC105 FIS106 FIS107 FIS108 GEO176 GEO201 GEO203 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	60/0	72	2	2	5
FIS105	FUNDAMENTALS OF EXPERIMENTAL PHYSICS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 FIS106 FIS107 FIS108 FIS109 GEO176 GEO201 GEO203 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	30/0	36	0	2	5
FIS110	FUNDAMENTALS OF OPTICS AND QUANTUM MECHANICS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 FIS106 FIS107 FIS108 GEO176 GEO201 GEO203 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	30/0	36	2	0	5
GEO178	GEOPHYSICAL PROSPECTING	ARQ108 ARQ109 ARQ209 BCC104 BCC105 FIS106 FIS107 FIS108 GEO176 GEO201 GEO203 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	45/0	54	2	1	5
MIN016	ANALYSIS OF MINING DATASETS	ARQ108 ARQ109 ARQ209 BCC104 FIS106 FIS107 FIS108 GEO176 GEO201 GEO203 MIN014 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	30/0	36	1	1	5
MIN206	ORES TECHNOLOGICAL CHARACTERIZATION	ARQ108 ARQ109 ARQ209 BCC104 BCC105 FIS106 FIS107 FIS108 GEO176 GEO201 GEO203 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	60/0	72	2	2	5
MIN262	INTRODUCTION TO GEOSTATISTICS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 EST202 FIS106 FIS107 FIS108 GEO176 GEO201 GEO203 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	60/0	72	2	2	5

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CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
MIN721	MINERAL EXPLORATION I	ARQ108 ARQ109 ARQ209 BCC104 FIS106 FIS107 FIS108 GEO176 GEO201 GEO203 MIN014 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	45/0	54	2	1	5
CIV230	ELEMENTS OF STRUCTURAL CALCULATIONS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 EST202 FIS106 FIS107 FIS108 FIS109 GEO082 GEO176 GEO177 GEO201 GEO203 GEO224 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	6
MEC170	FLUID DYNAMIC SYSTEMS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 EST202 FIS106 FIS107 FIS108 FIS109 GEO082 GEO176 GEO177 GEO201 GEO203 GEO224 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	6
MEC201	APPLIED MECHANICS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 EST202 FIS106 FIS107 FIS108 FIS109 GEO082 GEO176 GEO177 GEO201 GEO203 GEO224 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	6
MIN022	SOCIAL AND ENVIRONMENTAL RESPONSIBILITY AND MINING	ARQ108 ARQ109 ARQ209 BCC104 BCC105 EST202 FIS106 FIS107 FIS108 FIS109 GEO082 GEO176 GEO177 GEO201 GEO203 GEO224 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	45/30	54	1	2	6
MIN028	SOLID MECHANICS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 EST202 FIS106 FIS107 FIS108 FIS109 GEO082 GEO176 GEO177 GEO201 GEO203 GEO224 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	3	1	6

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CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
MIN256	MINERAL PROCESSING I	ARQ108 ARQ109 ARQ209 BCC104 BCC105 EST202 FIS106 FIS107 FIS108 FIS109 GEO082 GEO176 GEO177 GEO201 GEO203 GEO224 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	6
MIN722	MINERAL EXPLORATION II	ARQ108 ARQ109 ARQ209 BCC104 BCC105 EST202 FIS106 FIS107 FIS108 FIS109 GEO082 GEO176 GEO177 GEO201 GEO203 GEO224 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	6
MEC171	THERMAL SYSTEMS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	7
MET332	PRINCIPLES OF MATERIALS SCIENCE AND ENGINEERING	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	3	1	7
MIN018	ROCK MECHANICS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/15	72	2	2	7

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CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
MIN019	SOIL MECHANICS FOR MINING ENGINEERING	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	45/15	54	2	1	7
MIN112	MINING OPERATIONS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	7
MIN257	MINERAL PROCESSING II	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	7
MIN269	MINING DEVELOPMENT	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	45/0	54	2	1	7

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CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
PRO255	ECONOMIC ENGINEERING	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	30/0	36	2	0	7
DIR250	INTRODUCTION TO LAW AND LEGISLATIONS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC201 MIN014 MIN015 MIN016 MIN022 MIN028 MIN206 MIN256 MIN262 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	30/0	36	2	0	8
MIN017	MINING METHODS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC201 MIN014 MIN015 MIN016 MIN022 MIN028 MIN206 MIN256 MIN262 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	8
MIN021	MINERAL ECONOMY	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC201 MIN014 MIN015 MIN016 MIN022 MIN028 MIN206 MIN256 MIN262 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	30/15	36	1	1	8

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CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
MIN023	SLOPE STABILITY	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC201 MIN014 MIN015 MIN016 MIN022 MIN028 MIN206 MIN256 MIN262 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/15	72	2	2	8
MIN109	MINING PROJECT	ARQ108 ARQ109 ARQ209 BCC104 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MIN014 MIN016 MIN022 MIN028 MIN206 MIN256 MIN262 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	8
MIN225	STABILITY OF UNDERGROUND EXCAVATIONS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC201 MIN014 MIN015 MIN016 MIN022 MIN028 MIN206 MIN256 MIN262 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	8
MIN720	MINERAL PROCESSING III	ARQ108 ARQ109 ARQ209 BCC104 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MIN014 MIN016 MIN022 MIN028 MIN206 MIN256 MIN257 MIN262 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	2	2	8

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CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
PRO243	ORGANIZATION AND ADMINISTRATION I	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC201 MIN014 MIN015 MIN016 MIN022 MIN028 MIN206 MIN256 MIN262 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	30/0	36	2	0	8
MIN024	MINE ENVIRONMENT AND VENTILATION	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC171 MEC201 MET332 MIN014 MIN015 MIN016 MIN018 MIN019 MIN022 MIN028 MIN112 MIN206 MIN256 MIN257 MIN262 MIN269 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 PRO255 QUI021 QUI022 QUI117	60/15	72	2	2	9
MIN025	MINING PROJECT I - MULTIDISCIPLINARY INTEGRATION – MINERAL PROCESSING	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC171 MEC201 MET332 MIN014 MIN015 MIN016 MIN018 MIN019 MIN022 MIN028 MIN112 MIN206 MIN256 MIN257 MIN262 MIN269 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 PRO255 QUI021 QUI022 QUI117	45/0	54	0	3	9

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					T	P	
MIN026	MINING PROJECT II - MULTIDISCIPLINARY INTEGRATION - MINING	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC171 MEC201 MET332 MIN014 MIN015 MIN016 MIN018 MIN019 MIN022 MIN028 MIN109 MIN112 MIN206 MIN256 MIN257 MIN262 MIN269 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 PRO255 QUI021 QUI022 QUI117	45/0	54	0	3	9
MIN027	MINE CLOSURE	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC171 MEC201 MET332 MIN014 MIN015 MIN016 MIN018 MIN019 MIN022 MIN028 MIN112 MIN206 MIN256 MIN257 MIN262 MIN269 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 PRO255 QUI021 QUI022 QUI117	45/30	36	1	2	9
MIN235	OPERATIONAL RESEARCH APPLIED TO MINING	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC171 MEC201 MET332 MIN014 MIN015 MIN016 MIN018 MIN019 MIN022 MIN028 MIN112 MIN206 MIN256 MIN257 MIN262 MIN269 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 PRO255 QUI021 QUI022 QUI117	60/0	72	2	2	9

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CODE	MANDATORY DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
MIN715	UNDERGRADUATE FINAL PROJECT I: GUIDELINES	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC171 MEC201 MET332 MIN014 MIN015 MIN016 MIN018 MIN019 MIN022 MIN028 MIN112 MIN206 MIN256 MIN257 MIN262 MIN269 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 PRO255 QUI021 QUI022 QUI117	30/0	36	2	0	9
PRO244	ORGANIZATION AND ADMINISTRATION II	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC171 MEC201 MET332 MIN014 MIN015 MIN016 MIN018 MIN019 MIN022 MIN028 MIN112 MIN206 MIN256 MIN257 MIN262 MIN269 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 PRO243 PRO255 QUI021 QUI022 QUI117	30/0	36	2	0	9
MIN392	SUPERVISED INTERNSHIP	1455 hours	160/0	192	0	1	10
MIN716	UNDERGRADUATE FINAL PROJECT II: ORIENTATION	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 DIR250 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC171 MEC201 MET332 MIN014 MIN015 MIN016 MIN017 MIN018 MIN019 MIN021 MIN022 MIN023 MIN028 MIN109 MIN112 MIN206 MIN225 MIN256 MIN257 MIN262 MIN269 MIN720 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 PRO243 PRO255 QUI021 QUI022 QUI117	60/0	72	2	2	10

CODE	ELECTIVE DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	

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CODE	ELECTIVE DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
AMB139	INTRODUCTION TO ENVIRONMENTAL SCIENCES	ARQ108 ARQ109 ARQ209 BCC104 BCC105 FIS106 FIS107 FIS108 GEO176 GEO201 GEO203 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	30/0	36	2	0	
BCC106	ALGORITHMS AND PROGRAMMING II	BCC104	60/0	72	2	2	
BCC107	INTRODUCTION TO OPTIMIZATION	BCC104	60/0	72	4	0	
FIL200	INTRODUCTION TO PHILOSOPHY OF SCIENCE IDEAS	ARQ109 GEO201 MIN014 MIN015 MTM122 MTM730 QUI021 QUI022	30/0	36	2	0	
GEO174	INTRODUCTION TO PETROLEUM ENGINEERING	GEO224	30/0	36	2	0	
GEO175	PETROLEUM GEOLOGY	GEO224	45/0	54	2	1	
GEO179	HYDROGEOLOGY	ARQ108 ARQ109 ARQ209 BCC104 BCC105 FIS106 FIS107 FIS108 GEO176 GEO201 GEO203 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	75/15	90	2	3	
GEO494	MINERAL AND INDUSTRIAL ROCKS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC171 MEC201 MET332 MIN014 MIN015 MIN016 MIN018 MIN019 MIN022 MIN028 MIN112 MIN206 MIN256 MIN257 MIN262 MIN269 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 PRO255 QUI021 QUI022 QUI117	45/15	54	2	1	
LET966	INTRODUCTION TO THE BRAZILIAN SIGN LANGUAGE	ARQ109 GEO201 MIN014 MIN015 MTM122 MTM730 QUI021 QUI022	60/0	72	2	2	
MET139	FOUNDRY	ARQ109 GEO201 MIN014 MIN015 MTM122 MTM730 QUI021 QUI022	60/0	72	4	0	
MIN029	DIVERSITY, EQUITY AND INCLUSION IN ENGINEERING	ARQ109 GEO201 MIN014 MIN015 MTM122 MTM730 QUI021 QUI022	30/0	36	2	0	
MIN107	ENGINEERING IN MINING PROCESSES	ARQ109 GEO201 MIN014 MIN015 MTM122 MTM730 QUI021 QUI022	60/0	72	4	0	

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CODE	ELECTIVE DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
MIN208	GROUNDWATER HYDROLOGY	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	3	1	
MIN214	INTRODUCTION TO EXPERIMENTS STATISTICAL ANALYSIS	EST202	45/0	54	2	1	
MIN220	MANAGEMENT OF MINING WASTES		45/0	54	3	0	
MIN238	PROCESSES ENGINEERING	ARQ108 ARQ109 ARQ209 BCC104 BCC105 FIS106 FIS107 FIS108 GEO176 GEO201 GEO203 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	60/0	72	4	0	
MIN265	TECHNICAL VISITS TO ORES PROCESSING PLANTS	MIN256	30/0	36	0	2	
MIN273	WORK SAFETY AND HEALTH IN MINING	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	45/0	54	3	0	
MIN300	ORNAMENTAL ROCKS MINING AND PROCESSING	ARQ108 ARQ109 ARQ209 BCC104 BCC105 FIS106 FIS107 FIS108 GEO176 GEO201 GEO203 MIN014 MIN015 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022	45/0	54	2	1	
MIN717	MINING AND SOCIETY	ARQ109 GEO201 MIN014 MIN015 MTM122 MTM730 QUI021 QUI022	30/30	36	0	2	
MIN718	RECOVERY OF MINING EFFLUENTS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	45/0	54	3	0	
MIN719	ROCK EXCAVATION DESIGN		45/0	54	3	0	

SWL – SEMESTER WORKLOAD IN HOURS; EWL – EXTENSION WORKLOAD IN HOURS; CWL - 50 MINUTE CLASS WORKLOAD; P - PRACTICAL CLASSES; T - THEORY CLASSES; SEM - SEMESTER

MINISTÉRIO DA EDUCAÇÃO
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PRÓ-REITORIA DE GRADUAÇÃO

CODE	ELECTIVE DISCIPLINES	PREREQUISITE	SWL/EWL	CWL	CLASSES		SEM
					T	P	
PRO241	ECONOMICS I	ARQ109 ARQ209 BCC104 BCC105 FIS106 GEO176 GEO201 MIN014 MIN015 MTM122 MTM123 MTM730 QUI021 QUI022	30/0	36	2	0	
PRO242	ECONOMICS II	ARQ109 ARQ209 BCC104 BCC105 FIS106 GEO176 GEO201 MIN014 MIN015 MTM122 MTM123 MTM730 QUI021 QUI022	30/0	36	2	0	
PRO302	ENTREPRENEURIAL ACTIVITIES	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 CIV230 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MEC170 MEC201 MIN014 MIN015 MIN016 MIN022 MIN028 MIN206 MIN256 MIN262 MIN721 MIN722 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	60/0	72	1	3	
QUI163	ENVIRONMENTAL PROJECTS	ARQ108 ARQ109 ARQ209 BCC104 BCC105 CAT177 EST202 FIS105 FIS106 FIS107 FIS108 FIS109 FIS110 GEO082 GEO176 GEO177 GEO178 GEO201 GEO203 GEO224 MIN014 MIN015 MIN016 MIN206 MIN262 MIN721 MTM122 MTM123 MTM124 MTM125 MTM730 QUI021 QUI022 QUI117	30/0	36	2	0	

CODE	ACTIVITIES	PREREQUISITE	CHARACTER	SWL	SEM
ATV100			MANDATORY	50	8
ATV300			MANDATORY	235	8

Required Courses Load		Work Load
Mandatory Disciplines		3475
Elective Disciplines		75
Optative Disciplines		0
Facultative Disciplines		0
Activities		285
Extensions		385
	Total	3835

SWL – SEMESTER WORKLOAD IN HOURS; EWL – EXTENSION WORKLOAD IN HOURS; CWL - 50 MINUTE CLASS WORKLOAD; P - PRACTICAL CLASSES; T - THEORY CLASSES; SEM - SEMESTER