

**Mining, Petroleum and Metallurgical Engineering****First Year
First Term**

No.	COURSE	
	CODE	TITLE
1	MPM 120	Organic and Inorganic Chemistry
2	PHY 120A	Physics (2)
3	MTH 120A	Mathematics (2)
4	MEC 120	Mechanics (2)*
5	STR 120	Theory of Structures
6	GEN121	Introduction to Mining, Petroleum & Metallurgical Engineering
7	GEN 122	Elements of Management

* Examination at the end of the 2nd semester, total grade 200 marks after the addition of 40 marks, term work of the first semester.

For continuing courses, the grades of the two parts A and B added at the end of the 2nd term.

The first year is common for all Mining, Petroleum and Metallurgical Engineering students

**Second Year
First Term**

No.	COURSE	
	CODE	TITLE
1	PBW 221	Plane and Topographic Survey*
2	MIN 201	Mineralogy and Petrology*
3	MTH 221A	Mathematics (3)
4	EPM 221	Electrical Engineering
5	STR 221	Structural Engineering
6	MDP 221	Machine Design

*Includes Lab. Hours

For continuing courses, the grades of the two parts A and B added at the end of the 2nd term.

**Third Year
First Term**

No.	COURSE	
	CODE	TITLE
1	MIN 303	Ore Engineering and Technology *
2	PBW 321	Geodesy and Photogrammetry *
3	MIN 304	Principles of Rock Mechanics *
4	MIN 306	Surface Mining Engineering
5	MIN 307	Structural Geology and Stratigraphy *
6	MET 321	Metallurgical Engineering
7	GEN 321-1	Safety and Hygiene in Mining

* Includes Lab. Hours

For continuing courses, the grades of the two parts A and B added at the end of the 2nd term.

**Fourth Year
First Term**

No.	COURSE	
	CODE	TITLE
1	MIN 401	Technology of Mineral Flotation*
2	MIN 404	Ventilation and Environmental Control*
3	GEN 421A	Project Management and Mining Legislations
4	MIN 44X	Specialized Elective Course (1)**
5	MIN 44X	Specialized Elective Course (2)**
6	MIN 44X	General Elective Course (1)***
7	MIN 480	Project

Vice Dean

for Education and Students Affairs

Prof. Sherine Mohy Eldin Wahba