

**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

Third Year**First Term**

No.	COURSE	
	CODE	TITLE
1	MET 301A	Physical Metallurgy (2)
2	MET 302	Metallurgical Thermodynamics and Corrosion
3	MET 303	Theory of Elasticity and Plasticity
4	MET 304	Destructive and Non Destructive Testing
5	GEN 301	Development of Industry
6	MET**	Elective Course (1)*

* Selected out of Group "F" Electives

Second Year**First Term**

No.	COURSE	
	CODE	TITLE
1	MET 201A	Physical and Electro Chemistry
2	MET 202A	Physical Metallurgy (1)
3	MTH 222	Mathematics (3)
4	IHD 222	Fluid Mechanics
5	MDP 222	Principles of Mechanical Engineering
6	GEN 201A	Technical English and Report Writing

Fourth Year**First Term**

No.	COURSE	
	CODE	TITLE
1	MET 401A	Structure and Design of Alloys
2	MET 402	Plastic Metal Forming of Metals and Powders
3	MET 403	Casting
4	MET 404	Iron and Steel Industry
5	GEN 401	Economics of and Metallurgical Industries
6	MET**	Elective Course (2)*
7	MET 480	Project

* Selected out of Group (A) Electives

**Vice Dean
for Education and Students Affairs**

Prof. Sherine Mohy Eldin Wahba