



Mechanical Power Engineering

**First Year
First Term**

COURSE		
No.	CODE	TITLE
1	MDP 104	Machine Drawing*
2	MDP 105	Material Science
3	MDP 107	Production Engineering (2)
4	MEC 113	Mechanics (2)
5	PHY 113	Physics (2)
6	MTH 113A	Mathematics (2)
7	CVE 113	Civil Engineering

* Continuing course: Term work is added at the end of the second term.

**Third Year
First Term**

COURSE		
No.	CODE	TITLE
1	MEP 302	Applied Thermodynamics
2	MEP 303A	Fluid Mechanics (3)
3	MEP 304A	Heat and Mass Transfer
4	MEP 301	Numerical Methods in Energy Sciences
5	MEP 305	Measurements and Measuring Instruments
6	GEN**3	Elective Course on Humanities

* The first two years are common for all Mechanical Engineering students.

** See the List of Elective Courses

**Second Year
First Term**

COURSE		
No.	CODE	TITLE
1	MEP 201	Engineering Thermodynamics (2)
2	MEP 202	Fluid Mechanics (1)
3	MDP 201	Structural Mechanics
4	MDP 204	Machine Design (1)*
5	MDP 207	Casting Engineering
6	MTH 213A	Mathematics and Computers
7	ELE 212	Electrical and Electronic Engineering

* Continuing course: Term work is added at the end of the second term.

**Fourth Year
First Term**

COURSE		
No.	CODE	TITLE
1	MEP 308	Fundamentals and Systems of Combustion
2	MEP 303B	Fluid Mechanics (3)
3	MEP 304B	Heat and Mass Transfer
4	MEP 313	Engineering Economics
5	MEP **	Non-specialized Elective course
6	EPM 314	Electrical Machines & Power

** See the List of Elective Courses

**Vice Dean
for Education and Students Affairs**

Prof. Sherine Mohy Eldin Wahba