



**Electrical Power and Machines Engineering**

**First Year  
First Term**

No	Course	
	CODE	TITLE
1	MTH118	Mathematics (2)
2	PHY 118	Physics (2)
3	EPM 101	Electrical Circuits (1)
4	EPM 102	Basics of Energy Conversion
5	CVE 118	Civil Engineering
6	GEN 118	Humanities (2)

**Third Year  
First Term**

No	Course	
	CODE	TITLE
1	EPM301A	Electrical Power Systems(1)
2	EPM 303A	Electrical Machines (2)
3	EPM 304A	Power Electronics
4	EPM 305	High Voltage
5	EPM306 A	Automatic Control Systems
6	EPM309A	Laboratories (1) & project
7	ELC 318	Electrical Communication

**Second Year  
First Term**

No	Course	
	CODE	TITLE
1	MTH218A	Mathematics (3)
2	EPM 201	Electrical Circuits (2)
3	EPM 202	Measurements
4	EPM 203	Electromagnetic Fields (2)
5	EPM 204	Signal Processing and Systems
6	MEP 218-A	Thermodynamics and Fluid Mechanics

**Fourth Year  
First Term**

No	Course	
	CODE	TITLE
1	EPM401A	Electrical Power Systems (2)
2	EPM402A	Utilization of Electrical Power
3	EPM 403	Electric Drive Systems
4	EPM409	Laboratories (2)
5	EPM480A	Project
6	EPM	Elective (1)
7	EPM	Elective (2)
8	GEN 418	Standard Specifications and Technical Reports

**Vice Dean  
for Education and Students Affairs**

**Prof. Sherine Mohy Eldin Wahba**