



Aerospace Engineering

First Year First Term

No.	COURSE	
	CODE	TITLE
1	AER 101A	Introduction to Aeronautics
2	AER 103A	Analysis of Structures
3	AER 121	Machine Drawing*
4	AER 110	Production Technology (2)
5	PHY 116	Physics (2)
6	MEC 116	Mechanics (2)
7	MTH 116 A	Mathematics (2)

Third Year First Term

No.	COURSE	
	CODE	TITLE
1	AER 301A	Aerodynamics
2	AER 303A	Analysis of Aircraft Structures
3	AER 305	Combustion and Heat Transfer
4	AER 307A	Flight Mechanics and Control
5	AER 320	Design and manufacturing of Aircraft Parts
6	MTH 316-1	Partial Differential Equations

Second Year First Term

No.	COURSE	
	CODE	TITLE
1	AER 201A	Fluid and Gas Dynamics
2	AER 203A	Mechanics of Structures
3	AER 205	Thermodynamics
4	AER 210	Production Technology (3)
5	AER 220	Machine Design*
6	EPM 216	Electrical Engineering
7	MTH 216A	Mathematics (3)

Fourth Year First Term

No.	COURSE	
	CODE	TITLE
1	AER 401	High Speed Aerodynamics
2	AER 403A	Aircraft Structural Design
3	AER 405A	Design of Airplane and Rocket Propulsion Systems
4	AER 407	Digital Control and Applications
5	AER 4xx	Elective (1)**
6	AER 4xx	Elective (2)**
7	AER 480	Project*

**Vice Dean
for Education and Students Affairs**

Prof. Sherine Mohy Eldin Wahba