

FIRST YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Calculus-I	03	00	100+00
Discrete Mathematics	03	00	100+00
Islamic Studies/ Ethics	02	00	50+00
Functional English	02	00	50+00
Physics-I (Theory + Practical)	03	01	100+50
Introduction to Computers	02	01	50+50
Total	15	02	550

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Calculus –II	03	00	100+00
Statistics	03	00	100+00
Computer Programming	02	01	50+50
Pakistan Studies	02	00	50+00
Communication Skills	02	01	50+50
Physics-II (Theory+ Practical)	03	01	100+50
Total	15	3	600

SECOND YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Set Topology	03	00	100+00
Vector Calculus & Analytic Geometry	03	00	100+00
Linear Algebra	03	00	100+00
Number Theory	03	00	100+00
Economics	03	00	100+00
Total	15	00	500

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Fuzzy Logic	03	00	100+00
Operations Research	03	00	100+00
Ordinary Differential Equations-I	03	00	100+00
Group Theory	03	00	100+00
Accounting	03	00	100+00
Total	15	00	500

THIRD YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Ordinary Differential Equations-II	03	00	100+00
Differential Geometry	03	00	100+00
Numerical Analysis –I	03	01	100+50
Real Analysis- I	03	00	100+00
Mathematics Software (Theory + Practical)	02	01	50+50
Total	14	02	550

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Classical Mechanics	03	00	100+00
Partial Differential Equations	03	00	100+00
Complex Analysis	03	00	100+00
Real Analysis-II	03	00	100+00
Numerical Analysis –II	03	01	100+50
Total	15	01	550

FINAL YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Transformation Techniques	03	00	100+00
Algebraic Topology	03	00	100+00
Fluid Mechanics	03	00	100+00
Functional Analysis	03	00	100+00
Econometrics	03	00	100+00
Optimization Techniques	03	00	100+00
Total	18	00	600

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
ProbabilityTheory	03	00	100+00
IntegralEquations	03	00	100+00
Analytical Dynamics	03	00	100+00
Rings and Fields	03	00	100+00
Project/thesis	00	06	00+200
Total	12	06	600