DEPARTMENT OF PHYSICS
PROGRAMME: **M Sc Physics**

SEMESTER I

COURSE	COURSE CODE	PAPER NAME	HOURS	CREDITS
Core Course	PHY1C01	Classical Mechanics	16	4
	PHY1C02	Mathematical Physics	16	4
	PHY1C03	Electrodynamics and Plasma Physics	16	4
	PHY1C04	Electronics	16	4
	PHY1L01	General Physics Practical-I	8	
	PHY1L02	Electronics Practical-I	8	
Audit Course	PHY1A01	Ability Enhancement Course		4

SEMESTER 2

COURSE	COURSE CODE	PAPER NAME	HOURS	CREDITS
Core Course	PHY2C05	Quantum Mechanics	16	4
	PHY2C06	Mathematical Physics-II	16	4
	PHY2C07	Statistical Mechanics	16	4
	PHY2C08	Computational Physics	16	4
	PHY2L03	General Physics Practical-II	8	3
	PHY2L04	Electronics Practical-II	8	3
Audit Course	PHY2A02	Professional Competency Course	4	4

SEMESTER 3

COURSE	COURSE CODE	PAPER NAME	HOURS	CREDITS
Core Course	PHY3C09	Quantum Mechanics-II	16	4
	PHY3C10	Nuclear and Particle Physics	16	4
	PHY3C11	Solid State Physics	16	4
Elective-I	PHY3E05	Experimental Techniques	16	4
Core Course	PHY3L05	Modern Physics Practical-I	8	

SEMESTER 4

COURSE	COURSE CODE	PAPER NAME	HOURS	CREDITS
Core Course	PHY4C12	Atomic and Molecular Spectroscopy	16	4
Elective-II	PHY4E11	Material Science	16	4
Elective-III	PHY4E20	Microprocessors,Microcontrollers and Applications	16	4
Core Course	PHY4P01	Project		4
	PHY4L06	Modern Physics Practical-II	8	3
	PHY4L07	Computational Physics Practical	8	3
		Viva Voce		4