

M. Sc. Physics

Year	FIRST SEMESTER						SECOND SEMESTER					
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C
I	PY6101	Atomic, Molecular & Laser Physics	2	1	0	3	PY6201	Solid State Physics	3	1	0	4
	PY6102	Mathematical Physics	3	1	0	4	PY6202	Nuclear and Particle Physics	3	1	0	4
	PY6103	Quantum Mechanics	3	1	0	4	MA6205	Research Methodology & Technical Writing	2	1	0	3
	PY6104	Electronics	3	1	0	4	PY6203	Electrodynamics	2	1	0	3
	PY6105	Classical mechanics	3	1	0	4	PY6230	Solid State Physics Lab	0	0	6	3
	PY6130	Electronics lab	0	0	6	3	PY6231	Nuclear Physics Lab	0	0	6	3
							PY6232	Spectroscopy Lab	0	0	4	2
			14	5	6	22			10	4	16	22
Total Contact Hours (L + T + P)			25			Total Contact Hours (L + T + P)			30			
II	THIRD SEMESTER						FOURTH SEMESTER					
	PY7101	Statistical Mechanics	3	1	0	4	PY7270	Major Project	0	0	0	16
	PY7102	Advanced Quantum Mechanics	3	1	0	4						
	PY7103	Numerical Methods and Programming	3	1	0	4						
	PY7170	Seminar	0	0	4	2						
	PY7130	Computer lab	0	0	4	2						
	*****	DSE	3	1	0	4						
		12	4	8	20			0	0	0	16	
Total Contact Hours (L + T + P)			24			Total Contact Hours (L + T + P)			35			

Discipline Specific Elective (DSE)

1. PY7140: Fundamentals of Nanoscience
2. PY7141: Radiation Physics