

B.Sc. (Hons.) Physics

Year	FIRST SEMESTER						SECOND SEMESTER							
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C		
I	PY1101	Mechanics	3	1	0	4	PY1201	Mathematical Physics-I	3	1	0	4		
	PY1102	Waves and Optics	3	1	0	4	PY1202	Electricity and Magnetism	3	1	0	4		
	PY1130	General Physics Lab	0	0	4	2	PY1203	Analog Systems and Applications	3	1	0	4		
	PY1131	Waves and Optics Lab	0	0	4	2	PY1230	Electricity and Magnetism Lab	0	0	4	2		
	LN1106	Communicative English	2	0	0	2	PY1231	Analog Systems and Applications Lab	0	0	4	2		
	CY1003	Environmental Science	3	0	0	3	*****	GE-II (A)	3	1	0	4		
	CA1170	Fundamentals of Computer	1	1	0	2	*****	GE-II (B)	2	1	0	3		
	CA1175	Fundamentals of Computer lab	0	0	2	1	*****	GE-II (B) Lab	0	0	2	1		
	*****	GE-I (A)	2	1	0	3								
	*****	GE-I (A) Lab	-	-	2	1								
			14	4	12	24			16	6	4	24		
	Total Contact Hours (L + T + P)		30			Total Contact Hours (L + T + P)		26						
II	THIRD SEMESTER						FOURTH SEMESTER							
	PY2101	Thermal Physics	3	1	0	4	PY2201	Mathematical Physics-II	3	1	0	4		
	PY2102	Digital Systems & Applications	3	1	0	4	PY2202	Quantum Physics and Quantum Mechanics	3	1	0	4		
	PY2130	Thermal Physics Lab	0	0	4	2	PY2203	Electro-Magnetic Theory	3	1	0	4		
	PY2131	Digital Systems and applications Lab	0	0	4	2	PY2204	Classical Mechanics	3	1	0	4		
	*****	SEC	2	0	0	2	PY2230	Modern Physics Lab	0	0	4	2		
	*****	SEC	2	0	0	2	PY2231	Electro-magnetic Lab	0	0	4	2		
	*****	GE-III (A) & Lab	2	1	2	4	*****	DSE-I	3	1	0	4		
	*****	GE-III (B)	3	1	0	4	*****	Open elective	2	1	0	3*		
			15	4	10	24			17	6	8	27		
	Total Contact Hours (L + T + P)		29			Total Contact Hours (L + T + P) + OE		31						
III	FIFTH SEMESTER						SIXTH SEMESTER							
	PY3101	Atomic and Molecular Physics	3	1	0	4	PY3201	Nuclear and Particle Physics	3	1	0	4		
	PY3102	Solid State Physics	3	1	0	4	PY3202	Statistical Mechanics	3	1	0	4		
	PY3130	Atomic and Molecular Physics Lab	0	0	4	2	PY3276	Seminar	0	0	4	2		
	PY3131	Solid State Physics Lab	0	0	4	2	PY3230	Nuclear Physics Lab	0	0	4	2		
	*****	DSE-II	2	1	0	3	*****	DSE-IV	2	1	0	3		
	*****	DSE-III	2	1	0	3	*****	DSE-V	2	1	0	3		
	PY3170	Project	0	0	0	6	*****	GE-IV (A)	2	1	0	3		
							*****	GE-IV (A) Lab	-	-	2	1		
							*****	Open elective	2	1	0	3*		
			10	4	8	24			14	6	10	25		
	Total Contact Hours (L + T + P)		22			Total Contact Hours (L + T + P) + OE		30						