

Department of Physics (From 2018 onwards)
Bachelor of Technology (All Branches)
Semester-wise Course Structure

SEMESTER – 1 & 2							
Course Code	Course Title	Course Type	Contact Hours			Credit	Pre-requisites
			L	T	P	C	
PH101	Physics	Science (T)	3	1	0	04	NIL
PH 151	Physics Lab	Science (L)	0	0	2	01	NIL
Total Contact Hours – Component wise			3	1	2	---	
Total Contact Hours			6			5	---
SEMESTER – 4							
Course Code	Course Title	Course Type	Contact Hours			Credit	Pre-requisites
			L	T	P	C	
Open Electives (200 Level)							
PH 272	Laser and Plasma Technology	OE	2	0	0	02	NIL
PH 274	Smart Materials	OE	2	0	0	02	NIL
SEMESTER – 5							
Course Code	Course Title	Course Type	Contact Hours			Credit	Pre-requisites
			L	T	P	C	
Open Electives (300 Level)							
PH 371	Solar Energy	OE	2	0	0	02	NIL
PH 373	Special Theory of Relativity	OE	2	0	0	02	NIL
SEMESTER – 6							
Course Code	Course Title	Course Type	Contact Hours			Credit	Pre-requisites
			L	T	P	C	
PH 372	Quantum Computing and Quantum Information	OE	2	0	0	02	NIL

Credit Distribution based on Research Groups

Research Group	Sem--- 1	Sem--- 2	Sem – 3	Sem--- 4	Sem--- 5	Sem--- 6	Sem--- 7	Sem--- 8	Total
Energy Harvesting and Devices				2	2				4
Smart Materials				2					2
Basic and Theoretical Physics	5	5			2	2			14
Total	5	5		4	4	2			20

