

## School of Basic Sciences

### PhD Course Structures

#### PhD degree core courses

S. No.	Course name	L	T	P	C	Core/Elective
1	Research Methodology	2	0	0	2	Core
2	Statistics and Computer applications	2	0	0	2	Core
3	Ethics in Research and Publications	2	0	0	2	Core

#### PhD degree domain specific courses (Offered by School)

S. No.	Course name	L	T	P	S	C	Core/Elective
1	Domain Specific course 1	3	0	0	1	4	Elective 1
2	Domain Specific course 2	3	0	0	1	4	Elective 2

**Total credits: 14**

**Required credits as per UGC PhD regulations 2022: 12 Credits**

### List of elective courses for PhD in Physics

S. No.	Course name	L	T	P	S	C
1	Advanced Solid State Physics	3	0	0	1	4
2	Materials Science	3	0	0	1	4
3	Nanomaterials and Nanotechnology	3	0	0	1	4
4	Principle and characterization techniques of Materials	3	0	0	1	4
5	Semiconductor fabrication and devices	3	0	0	1	4
6	Electrodynamics	3	0	0	1	4
7	Microwaves and Antenna Propagation	3	0	0	1	4
8	Computational methods and applications	3	0	0	1	4
9	Solar energy and its utilization	3	0	0	1	4