

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

DEPARTMENT Physics

Semester. I

S.No.	Course Code	Course Title	Course Category	Type	Credit	L	T	P
1.	PHT 611	Classical Mechanics	CORE	CORE	4	3	1	0
2.	PHT 612	Mathematical Physics	CORE	CORE	4	3	1	0
3.	PHT 613	Electronics	CORE	CORE	4	3	1	0
4.	PHT 614	Quantum Mechanics	CORE	CORE	4	3	1	0
5.	PHP 615	Electronics Lab	CORE	CORE	4	0	0	8

Semester. II

S.No.	Course Code	Course Title	Course Category	Type	Credit	L	T	P
1.	PHT 621	Electrodynamics	CORE	CORE	4	3	1	0
2.	PHT 622	Atomic & Molecular Spectroscopy	CORE	CORE	4	3	1	0
3.	PHT 623	Statistical Mechanics	CORE	CORE	4	3	1	0
4.	PHT 624	Nuclear and Particle Physics	CORE	CORE	4	3	1	0
5.	PHP 625	Nuclear Physics & Spectroscopy Lab	CORE	CORE	4	0	0	8

Semester. III

S.No.	Course Code	Course Title	Course Category	Type	Credit	L	T	P
1.	PHT 631	Solid State Physics	CORE	CORE	4	3	1	0
2.	PHT XXX	Program Elective01	Program Elective	Program Elective	3	3	0	0
3.	PHT XXX	Program Elective02	Program Elective	Program Elective	3	3	0	0
4.	PHT XXX	Program Elective03	Program Elective	Program Elective	3	3	0	0
5.	PHP 632	Solid State Physics Lab	CORE	CORE	4	0	0	8
6.	PHD 633	Dissertation1	Dissertation	Dissertation	6	0	0	12

Semester. IV

S.No.	Course Code	Course Title	Course Category	Type	Credit	L	T	P
1.	PHT XXX	Program Elective04	Program Elective	Program Elective	3	3	0	0
2.	PHT XXX	Program Elective 05	Program Elective	Program Elective	3	3	0	0
3.	XXX XXX	Open Elective	Open Elective	Open Elective	3	3	0	0
4.	PHD 641	Dissertation2	Dissertation	Dissertation	9	0	0	18