

Curriculum
Ph.D.
NEW Program



॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

Indian Institute of Technology Jodhpur

Proposed Curriculum
Ph.D. (Physics)
 NEW Program

Cat.	Course Number: Course Title	L-T-P	Credits		Cat.	Course Number: Course Title	L-T-P	Credits
I Semester					II Semester			
E	Electives				E	Electives		
Total					Total			
III Semester					IV Semester			
H	PH799 Ph.D. Thesis				H	PH799 Ph.D. Thesis		
Total					Total			
V Semester					VI Semester			
H	PH799 Ph.D. Thesis				H	PH799 Ph.D. Thesis		
Total					Total			
VII Semester					VIII Semester			
H	PH799 Ph.D. Thesis				H	PH799 Ph.D. Thesis		
Total					Total			

Electives

Semester I				Semester II			
PH754	Magnetism and Superconductivity	3-0-0	3	PH760	Material and Device Characterization	3-0-0	3
PH755	Particle Physics	3-0-0	3	PH761	Astrophysics	3-0-0	3
PH756	General Theory of Relativity	3-0-0	3	PH762	Quantum Computation and Information	3-0-0	3
PH757	Quantum Field Theory	3-0-0	3	PH763	Quantum Coding and Cryptography	3-0-0	3
PH758	Semiconductor Device Technology	3-0-0	3	PH764	Electronic Transport in Mesoscopic System	3-0-0	3
PH759	Understanding Scanning Tunneling Microscope	3-0-0	3	PH765	Vacuum Systems and Thin film Technology	3-0-0	3

S.No.	Category	Category Title	Students with	Total Courses	Total Credits
1	E	ELECTIVES	Master's Degree	4	12
			Bachelor's Degree	10	30
2	H	Thesis	-	-	-