

DEPARTMENT OF PHYSICS
P.G. PHYSICS COURSE PATTERN (2017 - 2020)

Sem.	Code	Title of the Paper	Hours	Credits
I	17PPH1C01	Classical and Nonlinear Dynamics	6	5
	17PPH1C02	Mathematical Physics - I	6	5
	17PPH1C03	Thermodynamics and Statistical Physics	6	5
	17PPH1E1A/ 17PPH1E1B	Advanced Electronics / Applied Physics	6	4
	17PPH1P01	Practical - I	6	5
		Total	30	24
II	17PPH2C04	Mathematical Physics - II	6	5
	17PPH2C05	Solid State Physics - I	6	5
	17PPH2E2A/ 17PPH2E2B	Microprocessor and Microcontroller / Crystal growth and Thin film Characterization	6	4
	17PPH2P02	Practical - II	6	4
	17PPH2I01	IDC: Biomedical Instrumentation	4	3
	17PPH2S01	Soft Skills	2	1
			Total	30
III	17PPH3C06	Quantum Mechanics - I	6	5
	17PPH3C07	Solid State Physics - II	6	5
	17PPH3C08	Electrodynamics and Plasma Physics	6	5
	17PPH3E3A/ 17PPH3E3B	Numerical Methods and MATLAB / Nanomaterials	6	4
	17PPH3P03	Practical - III	6	4
			Total	30
IV	17PPH4C09	Quantum Mechanics - II	6	5
	17PPH4C10	Nuclear and Particle Physics	6	5
	17PPH4C11	Molecular Spectroscopy	6	5
	17PPH4R01	Project	12	6
	17PPH4A01	Comprehensive Examination	-	2*
		Total	30	21
		Total for all semesters	120	90+2