

M.Sc. Physics

Semester - 1	
PH5117	Wave Formalism of Quantum Mechanics
PH5127	Hydrogenic Atoms
PH5267	Symmetries in Quantum Mechanics
PH5147	Classical Physics
PH5157	Numerical Methods
PH5167	Experimental Techniques
PH5177	Linear Vector Spaces
PH5187	Fourier Series and Integral Transforms
PH5118	Electronics
PH5197	Complex Analysis
PH5217	Classical Electromagnetism
PH5237	Optics
PH5247	Thermal Physics
PH5101	Lab - I
	Free Elective

Semester - 2	
PH5287	Special Functions and Differential Eqns.
PH5297	Group Theory
PH5288	Digital Electronics
PH6218	Electrodynamics
PH6288	Analytical Mechanics
PH5257	Scattering Theory
PH5137	Approximation Methods
PH5277	Relativistic Quantum Mechanics
PH5337	High Energy Physics
PH5347	Crystal Structure
PH5257	Atomic & Molecular Physics
PH6247	Statistical Physics
PH6238	Photonics & Laser
PH5211	Lab- II

Semester - 3	
PH6268	Solid State Physics
PH6278	Particle Physics
PH6338	Characterization Techniques
PH6327	Nuclear Physics
PH6258	Spectroscopy
PH5338	Computational Physics
PH5311	Lab- III
	Elective
	Elective – I
	Project

Semester - 4	
	Elective- II
	Elective – III
	Elective – IV
	Project – (Continued from Sem. III)

Note: Electives are specialized courses offered by the various research groups. Please check with the respective research groups to find out about the elective courses offered by them.