

**M.Sc. Physics**

<b>SEM</b>	<b>Course Code</b>	<b>Title of Course</b>	<b>Inst. Hours/Week</b>	<b>Credits</b>	<b>Int.</b>	<b>Ext.</b>	<b>Total</b>
I	19PP101	CC-I Mathematical Physics - I	6	5	25	75	100
	19PP102	CC-II Classical Dynamics and Special Relativity	6	5	25	75	100
	19PP103	CC-III Electronics and Instrumentation	6	5	25	75	100
	19PP104	OEC- PIC Microcontroller and Its Applications	6	5	25	75	100
	19PP105L	CC-IV Practical –I General Physics and Electronics	-	--	--	--	--
	19PP106L	CC-V Practical –II Microcontroller Programming Lab	-	--	--	--	--
II	19PP105L	CC-IV Practical –I General Physics and Electronics	3	4	40	60	100
	19PP106L	CC-V Practical –II Microcontroller Programming Lab	3	4	40	60	100
	19PP207	CC- VI Mathematical Physics - II	6	5	25	75	100
	19PP208	CC-VII Statistical Mechanics	6	5	25	75	100
	19PP209	CC-VIII Quantum Mechanics	6	5	25	75	100
	19PP210	CC-IX Computational Methods	6	4	--	100	100
III	19PP311	CC-X Electromagnetic Theory	6	5	25	75	100
	19PP312	CC-XI Solid State Physics	6	5	25	75	100
	19PP313L	CC-XII Practical – III Advanced General Physics and Instrumentation	3	--	--	--	--
	19PP314L	CC-XIII Practical – IV Digital Electronics and Computer Programming	3	-	-	-	-
	19PP315	EC-I – Atomic and Molecular Physics	6	4	25	75	100
	19PP316	EC-II – Crystal Growth and Thin films	6	4	25	75	100
IV	19PP313L	CC-XII Practical – III Advanced General Physics and Instrumentation	3	4	40	60	100
	19PP314L	CC-XIII Practical – IV Digital Electronics and Computer Programming	3	4	40	60	100
	19PP417	CC- XIV Nuclear and Particle Physics	6	4	25	75	100
	19PP418	EC-III – Electronic Communication Systems	6	4	25	75	100
	19PP419	EC- IV – Nano Science	6	4	25	75	100
	19PP420P	PW-Project Work*	6	5	25	75	100
			120	90	Total		2000