

**As per the new Curriculum: 2017-2019 Batch**

Programme: M.Sc (Physics)

Semester: II

Year: Jan 2018

**Courses to be offered:**

Course No.	Course Title	Pre-Requisite Sub (PRS)	Pre-requisite Status	Contact Hour			Cr
				L	T	P	
PH 405	Mathematical Physics-II			3	1	0	4
PH 406	Quantum Mechanics-II			3	1	0	4
PH 407	Electromagnetic Theory			3	1	0	4
PH 408	Condensed Matter Physics			3	1	0	4
PH 409	Experimental Techniques In Physics			3	0	0	3
PH 482	Physics Laboratory II			0	0	6	3
PH 461	Comprehensive Viva-Voce			0	0	0	2
				15	4	6	
				<b>25</b>			<b>24</b>

**As per the Old Curriculum: 2016-2018 Batch**

Programme: M.Sc (Physics)

Semester: IV

Year: Jan 2018

**Courses to be offered:**

Course No.	Course Title	Pre-Requisite Sub (PRS)	Pre-requisite Status	Contact Hour			Cr
				L	T	P	
PH 504	Nuclear Physics			3	0	0	3
PH 541/PH 542/PH543	Elective III			4	0	0	4
PH 551/PH 552/PH553	Elective IV			4	0	0	4
PH572	Project II			0	0	20	10
				11	0	20	
			<b>Total</b>	<b>31</b>			<b>21</b>

**Departmental Elective III**

C. No	Course Title	L	T	P	Cr	Prerequisites
PH 541	Science and Technology of Thin Films	4	0	0	4	PH 408/PH 503
PH 542	Nanoscience and Technology	4	0	0	4	PH 403/PH 405
PH 543	Physics of Liquid Crystals	4	0	0	4	None

**Departmental Elective IV**

C. No	Course Title	L	T	P	Cr	Prerequisites
PH 551	Light-Matter Interaction	4	0	0	4	PH 502
PH 552	Spintronics	4	0	0	4	PH 503/PH 501
PH 553	Biological Physics	4	0	0	4	None