

## Courses to be offered:

Course No.	Course Title	Pre-Requisite Sub (PRS)	Pre-requisite Status	Contact Hour			Cr
				L	T	P	
PH 404	Quantum Mechanics II	x		3	1	0	4
PH 406	Electromagnetic Theory	x		3	1	0	4
PH 407	Statistical Mechanics	x		3	1	0	4
PH 408	Condensed Matter Physics I			3	1	0	4
PH 482	Physics Laboratory II	x		0	0	6	3
PH 461	Comprehensive Viva-Voce	x		0	0	0	2
				12	4	6	
				22			21

## 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>	31			21

## 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