

**Curriculum and Credit
Framework for Undergraduate
Programmes (CCFUGP) (Single Major)
as per NEP-2020**

B.Sc. PHYSICS

(Four Year Undergraduate Programme)

3rd & 4th Semesters

For Batch w.e.f. Session: 2022-23



**University School for Graduate Studies,
Chaudhary Devi Lal University
Sirsa-125055, Haryana
2023**

Exit options and Credit requirements

SINGLE-MAJOR

Exit with	Credit requirement
Certificate in Physics: After successful completion of First year (Two semesters) of the Four-Year Undergraduate Degree Programme.	48 (Including Internship of 4 Credits)
Diploma in Physics: After successful completion of Two years (Four semesters) of the Four-Year Undergraduate Degree Programme.	94 (Including Internship of 4 Credits)
Bachelor of Physics: After successful completion of Three years (Six semesters) of the Four-Year Undergraduate Degree Programme.	136
Bachelor of Physics (Honours/Honours with Research) After successful completion of Four Years (Eight semesters) of the Undergraduate Degree Programme.	184

**Table 1: Course code and Title along with credits details, levels, marks
B.Sc. Physics Honours (Single Major)/ B.Sc.Physics Honours with Research (Single Major)**

Sr.No.	Course category	CourseCode	Course	Credits			Marks				
				Level	Lecture+ Tutorial	Practical	Total	Int.	Ext.	Total	
Semester III											
1.	DSC	BSc/Phy/SM/3/DSC/201	Mathematical Physics - I	200	4	-	4	30	70	100	
2.		BSc/Phy/SM/3/DSC/202	Elements of Modern Physics	200	4	-	4	30	70	100	
3.		BSc/Phy/SM/3/DSC/203	Physics Lab.-V	200	-	2	2	-	50	50	
4.		BSc/Phy/SM/3/DSC/204	Physics lab.-VI	200	-	2	2	-	50	50	
5.	MIC	BSc/Phy/SM/3/MIC/201	Analog System & Applications	200	4	-	4	30	70	100	
6.		BSc/Phy/SM/3/MIC/202	Solid State Physics	200	4	-	4	30	70	100	
7.	MDC	BSc/Phy/SM/3/MDC/201	Basics of Mathematics	200	3		3	25	50	75	
8.	VAC	CDLU/VAC/105	Vedic Mathematics	200	2	-	2	15	35	50	
		Totals						25			625
Semester-IV											
1.	DSC	BSc/Phy/SM/4/DSC/204	Physics of Semiconductor Devices	200	4	-	4	30	70	100	
2.		BSc/Phy/SM/4/DSC/205	Classical and Statistical Physics	200	4	-	4	30	70	100	
3.		BSc/Phy/SM/4/DSC/206	Physics Lab.-VIII	200	-	2	2	-	50	50	
4.		BSc/Phy/SM/4/DSC/207	Physics Lab.-IX	200	-	2	2	-	50	50	
5.	MIC	BSc/Phy/SM/4/MIC/203	Electromagnetic Theory	200	4	-	4	30	70	100	
6.		BSc/Phy/SM/4/MIC/204	Basics of Lasers	200	4		4	30	70	100	
7.	SEC	BSc/Phy/SM/3/SEC/201	MATLAB (Practical)	200	-	3	3	25	50	75	
8.	VAC	CDLU/VAC/101	Communication Skills	200	2	-	2	15	35	50	
		Total						25			625