

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

B.Sc. PHYSICS

(Four Year Undergraduate Programme)

5th & 6th Semesters

For batch w.e.f. Session 2021-22



**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	Course Code	Course	Credits				Marks		
				Level	Lecture+ Tutorial	Practical	Total	Int.	Ext.	Total
Semester-V										
1.	DSC	BSc/Phy/SM/5/DSC/301	Mathematical Physics-II	300	4	-	4	30	70	100
2.		BSc/Phy/SM/5/DSC/302	Basic Quantum Physics	300	4	-	4	30	70	100
3.		BSc/Phy/SM/5/DSC/303	Atomic and Molecular Spectroscopy	300	4	-	4	30	70	100
4.	MIC	BSc/Phy/SM5//MIC/301	Analog System & Applications	300	4		4	30	70	100
5.		BSc/Phy/SM/5/MIC/302	Physics Lab.-IX	300	-	2	2		50	50
6.		BSc/Phy/SM/5/MIC/303	Physics lab.-X	300	-	2	2		50	50
7.	SEC	BSc/Phy/SM/5/SEC/301	MAT LAB (Practical)	300	-	3	3	-	75	75
8.		BSc/Phy/SM/5/INT	Internship	300		4	4			100
							27			675
Semester-VI										
1.	DSC	BSc/Phy/SM/6/DSC/304	Nuclear Physics	300	4	-	4	30	70	100
2.		BSc/Phy/SM/6/DSC/305	Classical Mechanics	300	4	-	4	30	70	100
3.		BSc/Phy/SM/6/DSC/306	Introduction to Materials	300	4	-	4	30	70	100
4.	MIC	BSc/Phy/SM/6//MIC/304	Digital Systems and Applications	300	4	-	4	30	70	100
5.		CDLU/Phy/6/MIC/305	Physics Lab. –XII	300		2	2		50	50
6.		CDLU/Phy6//MIC/306	Physics Lab. –XIII	300		2	2		50	50
7.	SEC	BSc/Phy/SM/6/SEC/302	Soft Skill at Workplace	300	3	-	3	25	50	75
8.		CDLU/VAC/101	Communication Skills	300	2	-	2	15	35	50
9.	VAC	CDLU/VAC/105	Vedic Mathematics	300	2	-	2	15	35	50
Total							27			675