



Integral University, Lucknow
Department of Physics

Study and Evaluation Scheme of Under Graduate & Post Graduate Program as per NEP-2020 Guidelines
w.e.f. Session 2024-25

Degree in Science (Physics & Electronics)

Year: Third / Semester: Fifth (Odd Semester)

S. No.	Course Code	Course Title	Type of Paper	Periods Per Week			Evaluation Scheme				Subject Total	Credit	Total Credit	Attributes						SDG
							CIE			UE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment and Sustainability	Human Values	
				L	T	P	CT	TA	CIE Total	ESE										
THEORY																				
1	B010501T/ PY311	Classical & Statistical Mechanics	Major	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓					
2	B010502T/ PY312	Quantum Mechanics and Spectroscopy	Major	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓					
3	B140501T/ EC391	Electromagnetics and Antenna Fundamentals	Major	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓					
4	B140502T/ EC392	Microprocessor Programming and Interfacing	Major	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓					
5	Z050501/ MT337	Analytic Ability and Digital Awareness	Minor (Co-Curricular)	2	0	0	15	10	25	75	100	2:0:0	2	✓	✓	✓	✓	✓	✓	
PRACTICAL																				
6	B010503P/ PY313	Demonstrative Aspects of Optics & Lasers	Major	0	0	4	15	10	25	75	100	0:0:2	2	✓	✓					
7	B140503P/ EC393	Antenna and Microprocessor Lab	Major	0	0	4	15	10	25	75	100	0:0:2	2	✓	✓					
8	B010504R/ PY316	Physics Project-I	Major	0	0	6	0	0	0	100	100	0:0:3	3	✓	✓		✓	✓		
Total				18	0	14	105	70	150	650	800	25	25							



Integral University, Lucknow
Department of Physics

Study and Evaluation Scheme of Under Graduate & Post Graduate Program as per NEP-2020 Guidelines
w.e.f. Session 2024-25

Degree in Science (Physics & Electronics)

Year: Third / Semester: Sixth (Even Semester)

S. No.	Course Code	Course Title	Type of Paper	Periods Per Week			Evaluation Scheme				Subject Total	Credit	Total Credit	Attributes							SDG
							CIE			UE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment and Sustainability	Human Values	Professional Ethics	
				L	T	P	CT	TA	CIE Total	ESE											
THEORY																					
1	B010601T/ PY314	Solid State and Nuclear Physics	Major	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓						
2	B010602T/ PY315	Analog & Digital Principles & Applications	Major	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓						
3	B140601T/ EC394	Communication Electronics	Major	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓						
4	B140602T/ EC395	Linear Integrated Circui	Major	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓						
5	Z060601/ LN343	Communication Skills and Personality Development	Minor (Co-Curricular)	2	0	0	15	10	25	75	100	2:0:0	2	✓	✓	✓	✓	✓	✓		
PRACTICAL																					
6	B010603P/ PY317	Analog & Digital Circuits	Major	0	0	4	15	10	25	75	100	0:0:2	2	✓	✓						
7	B140603P/ EC396	IC and Communication Lab	Major	0	0	4	15	10	25	75	100	0:0:2	2	✓	✓						
8	B010604R/ PY318	Physics Project-II	Major	0	0	6	0	0	0	100	100	0:0:3	3	✓	✓	✓	✓	✓			
Total				18	0	14	105	70	175	625	800	25	25								

