

Department of Physics

Semester –I

Course Structure:

Sr. No.	Course Code	Paper Title	Credit
Core Paper			
1.	PHM 101	Classical Mechanics	4
2.	PHM 102	Mathematical Physics	4
3.	PHM 103	Quantum Mechanics-I	4
4.	PHM 104	Electronics-I	4
5.	PHM 105	Lab	8

Mode of Evaluation: Sessional 30% and End Semester 70%

Semester – II

Course Structure:

Sr. No.	Course Code	Paper Title	Credit
Core Paper			
1.	PHM 201	Quantum Mechanics-II	4
2.	PHM 202	Electromagnetic Theory	4
3.	PHM 203	Statistical Physics	4
4.	PHM 204	Condensed Matter Physics	4
5.	PHM 205	Lab	8

Mode of Evaluation: Sessional 30% and End Semester 70%

Semester – III

Course Structure:

Sr. No.	Course Code	Paper Title	Credit
Core Paper			
1.	PHM 301	Nuclear and Particle Physics I	4
2.	PHM 302	Atomic and Molecular Physics	4
3.	PHM 303	Electronics- II	4
4.	PHM 304	Material Science	4
5.	PHM 305	Lab	8

Mode of Evaluation: Sessional 30% and End Semester 70%

Semester – IV

Course Structure:

Sr. No.	Course Code	Paper Title	Credit
Core Paper			
1.	PHM 400	Environmental Physics	0
2.	PHM 401	Nuclear and Particle Physics II	4
3.	PHM 402	Experimental Techniques	4
4.	PHM 411	Laser Technology Optional paper- I	4
5.	PHM 412	Fiber Optics Communication Optional paper-II	4
6.	PHM 413	Nanoscience & Nanotechnology Optional paper-III	4
7.	PHM 414	Biophysics Optional paper-IV	4
8.	PHM 405	Project	8

Mode of Evaluation: Sessional 30% and End Semester 70%