
**P. E. Society's
Modern College of Arts, Science and
Commerce, Ganeshkhind, Pune-16
(Autonomous)**

T.Y.B.Sc. (Physics)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2024-2025

1) Structure of the Course:

Semester	Course Type	Course Code	Course Name	Credit	
V	Discipline Specific Course	24-PHY-351	Mathematical Methods in Physics-II	2	
		24-PHY-352	Electrodynamics	2	
		24-PHY-353	Classical Mechanics	2	
		24-PHY-354	Atomic and Molecular Physics	2	
		24-PHY-355	Computational Physics	2	
		24-PHY-356 Elective-I	Biophysics	2	
		24-PHY-357	Physics Laboratory-3A	2	
		24-PHY-358	Physics Laboratory-3B	2	
		24-PHY-359	Project-I	2	
	Skill Enhancement Course	24-PHY-3510: Skill Enhancement Course-I			2
		24-PHY-3510	Python Programming		
		24-PHY- 3511: Skill Enhancement Course-II			2
		24-PHY-3511	Basics of Electrical Wiring		
VI	Discipline Specific Course	24-PHY-361	Solid State Physics	2	
		24-PHY-362	Quantum Mechanics	2	
		24-PHY-363	Thermodynamics and Statistical Physics	2	
		24-PHY-364	Nuclear Physics	2	
		24-PHY-365	Electronics- II	2	
		24-PHY-366 Elective-II	Acoustics-II	2	
		24-PHY-367	Physics Laboratory-4A	2	
		24-PHY-368	Physics Laboratory-4B	2	
		24-PHY-369	Project-II	2	
	Skill Enhancement Course	24-PHY-3610: Skill Enhancement Course-III			2
		24-PHY-3610	Scientific Data Analysis using Python		
		24-PHY- 3611: Skill Enhancement Course-IV			2
		24-PHY- 3611	Radiation Physics		