

**Progressive Education Society's  
Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 411016  
(Autonomous)**

**Department of Physics  
(NEP II) Program Structures**

**NEP II- F.Y.B.Sc. (Physics) (SEM - I and II)**

<b>Subject Code</b>	<b>Subject</b>	<b>Credits</b>
24PHY11101	Mechanics and Properties of Matter	2
24PHY11102	Physics Practical 1A	2
24MAT11404	Introduction to MS Word, Power Point and Google tools	2
24PHY12101	Physics Principles and Applications	2
24PHY12102	Physics Practical 1B	2
24MAT12404	Introduction to MS Excel and Power BI	2

**NEP II- S.Y.B.Sc. (Physics) (SEM - III and IV)**

<b>Subject Code</b>	<b>Subject</b>	<b>Credits</b>
24PHY23101	Mathematical Methods in Physics -I	2
24PHY23102	Heat and Thermodynamics	2
24PHY23103	Physics Laboratory 2A	2
24PHY23104	Major specific IKS	2
24PHY23205	Electronics	2
24PHY23206	Practical Based on Heat and Thermodynamics	2
24PHY23307	Weather Studies	2
24PHY23408	Electronic Instrumentation	2
24PHY23609	Field Project	2
24PHY24101	Oscillations, Waves and Sound	2
24PHY24102	Nuclear Physics	2
24PHY24103	Physics Laboratory 2B	2
24PHY24204	Optics	2
24PHY24205	Practical Based on Optics	2
24PHY24407	Laser and its Applications	2
24PHY24408	Python Programming	2
24PHY24609	Community Engagement Project	2

**NEP II- T.Y.B.Sc. (Physics) (SEM-V and SEM VI)**

<b>Subject Code</b>	<b>Subject</b>	<b>Subject Type</b>	<b>Credits</b>
24PHY35201	Basics of Material Science and Nanotechnology	Minor- Theory	2
24PHY35202	Practical Based on Basics of Material Science and Nanotechnology	Minor - Practical	2
24PHY36201	Basics Electronics	Minor- Theory	2
24PHY36202	Practical based Basics Electronics	Minor - Practical	2