



Progressive Education Society's
Modern College of Arts, Science and Commerce (Autonomous)
Ganeshkhind, Pune - 16

Course Structure for NEP 2

Name of the Board: Department of Physics

Class	Sem	Course Type	Sr. No.	Course Code	Course Name	Theory/ Practical	Credits	No. of hours/ week	Total Marks	CIE	ESE
S.Y.B.Sc	III	Major DSC	01	24PHY23101	Mathematical Methods in Physics -I	T	2	2	50	20	30
		Major DSC	02	24PHY23102	Heat and Thermodynamics	T	2	2	50	20	30
		Major DSC	03	24PHY23103	Physics Laboratory 2A	P	2	4	50	20	30
		Major IKS	04	24PHY23104	Major specific IKS	T	2	2	50	20	30
		Minor	05	24PHY23205	Electronics	T	2	2	50	20	30
		Minor	06	24PHY23206	Practical Based on Electronics	P	2	4	50	20	30
		OE	07	24PHY23307	Weather Studies	T	2	2	50	20	30
		VSEC	08	24PHY23408	Instrumentation	P	2	4	50	20	30
		FP	09	24PHY23609	Field Project	F	2	2	50	20	30
		CC			NCC		2	4			
S.Y.B.Sc	IV	Major DSC	01	24PHY24101	Applied Optics	T	2	2	50	20	30
		Major DSC	02	24PHY24102	Nuclear Physics	T	2	2	50	20	30



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		Major DSC	03	24PHY24103	Physics Laboratory 2B	P	2	4	50	20	30
		Minor	04	24PHY24204	Optics	T	2	2	50	20	30
		Minor	05	24PHY24205	Practical Based on Optics	P	2	4	50	20	30
		OE	06	24PHY24306	Physics in Sports Technology	T	2	2	50	20	30
		VSEC	07	24PHY24407	Laser and its Applications	P	2	4	50	20	30
		SEC	08	24PHY24408	Python Programming	P	2	4	50	20	30
		CEP	09	24PHY24609	Community Engagement Project	P	2	4	50	20	30
		CC			NCC		2	4			



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Course Structure for NEP 1

Name of the Board: Department of Physics

Class	Sem	Course Type	Sr. No.	Course Code	Course Name	Theory/ Practical	No. of Credits	No. of Hours/ week	Total Marks	CIE Marks	ESE Marks
T.Y.B.Sc	V	Minor	01	PHY35201	Basics on Nano-materials and technology	T	2	2	50	20	30
			02	PHY35202	Practical Based on Basics on Nano-materials and technology	P	2	4	50	20	30
T.Y.B.Sc	VI	Minor	01	PHY36201	Solar PV Systems: Installation, Repairing and Maintenance	T	2	2	50	20	30
			02	PHY36202	Practical based on Solar PV Systems: Installation, Repairing and Maintenance	P	2	4	50	20	30