

### Courses offered by Physics Department for FDP

Sem. No.	Course	Course Code	Course Name	Instruction Hours	
				T	P
1	Core	PY 1141	Basic mechanics and properties of matter	2	
	Comp -MM	PY 1142 PY 1131.1	Practical Mechanics and properties of matter	2	2
	Comp -CH	PY 1131.2	Rotational dynamics and properties of matter	2	2
	Comp -GL	PY 1131.4	Mechanics and properties of matter	2	2
2	Core	PY 1241 PY 1242	Classical mechanics Practical	2	2
	Comp -MM	PY 1231.1	Heat and thermodynamics	2	2
	Comp -CH	PY 1231.2	Thermal physics	2	2
	Comp -GL	PY 1231.4	Thermal physics and physics of earth	2	2
3	Core	PY 1341 PY 1342	Thermodynamics and statistical physics	3	2
	Comp -MM	PY 1331.1	Optics, magnetism and electricity	3	2
	Comp -CH	PY 1331.2	Optics, magnetism and electricity	3	2
	Comp -GL	PY 1331.4	Optics, and electrodynamics	3	2
4	Core	PY 1441 PY 1442	Electrodynamics Practical - Mechanics, properties of matter, error measurements, heat and acoustics	3	2
	Comp -MM	PY 1431.1	Modern physics and electronics	3	2
	Comp -CH	PY 1432.1 PY 1431.2	Practical Atomic physics, quantum mechanics and electronics	3	
	Comp -GL	PY 1432.2 PY 1431.4 PY 1432.4	Practical Modern physics, electronics and crystallography Practical	3	2
5	Core	PY 1541	Methodology in physics and relativistic mechanics	3	
		PY 1542	Quantum mechanics	3	
		PY 1543	Electronics	3	
		PY 1544	Atomic and molecular physics	3	
	Open course	PY 1551			

6	Core	PY 1641	Solid state physics	3	
		PY 1642	Nuclear and particle physics	3	
		PY 1643	Classical and modern optics electronics	3	
		PY 1644	Computer science	3	
		PY 1645	practical II Optics, electricity and magnetism	2	
		PY 1646 PY 1647	Practical III Electronics and computer science Project	2	
Elective course	PY 1661.4	Nano material science	3		

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ധർമ്മ ഏവ പരം ദൈവം  
 ധർമ്മ ഏവ മഹാധനം  
 ധർമ്മസ്സർവത്ര വിജയീ  
 ഭവതു ശ്രേയസേ നൃണാം  
 -ശ്രീനാരായണഗുരു

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God the supreme being is "Dharma" (Charity). Dharma is the greatest of Wealth, Dharma invariable wins. Dharma is a Iso instrumenta I for the greatness of men.

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*Judging one's religion based on his faith, mental attitude, custom and culture is not the proper perspective. They are transient Knowledge in supreme Bliss : Relisetion of the inner self that glows in all human beings is the true knowledge.*

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Let there lees divesesity of profession, nationality and language among men. But the Dharma that is inherent in the hearts of all men is "humanism" and that is the caste of man.

