



Netaji Subhas University

Department of Physics

Course Classification Based on Relevance and Outcomes

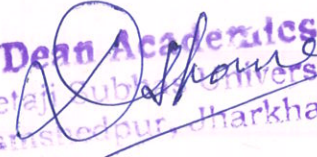
B.Sc Physics (Hons.)

Sem	Course/Code	Local /Regional /National/ Global Relevance	Description of Outcomes
1 st	Mathematical Physics-I + Lab (C1)	Global	Develops problem-solving and analytical skills in physics
	Mechanics + Lab(C2)	Global	Enhances understanding of forces and motion
	English Language Communication Skills(AECC1)	Global	Enhances professional and technical communication
2 nd	Electricity & Magnetism + Lab(C3)	Global	Builds knowledge of electrical phenomena
	Waves and Optics + Lab(C4)	Global	Strengthens understanding of wave behavior
	Environmental Science (EVS)(AECC2)	Global	Creates awareness of environmental conservation
3 rd	Mathematical Physics II + Lab(C5)	Global	Develops deeper mathematical tools for physics
	Thermal Physics + Lab(C6)	Global	Explores heat and energy transfer
	Digital Systems and Applications + Lab (C7)	Global	Enhances understanding of digital circuits
	Elementary Computer Application Software + Lab (SEC1)	Global	Develops fundamental computer literacy

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Netaji Subhas University
Jamshedpur, Jharkhand

Course Classification Based on Relevance and Outcomes....Continued

Sem	Course	Local /Regional /National/ Global Relevance	Description of Outcomes
4th	Mathematical Physics-III + Lab (C8)	Global	Strengthens computational and analytical skills
	Elements of Modern Physics + Lab(C9)	Global	Explores quantum and relativity principles
	Analog Systems and Applications + Lab(C10)	Global	Enhances skills in analog circuit design
	Electrical Circuit Network Skills + Lab(SEC2)	Global	Develops practical electrical circuit troubleshooting
5th	Quantum Mechanics and Applications + Lab(C11)	Global	Strengthens quantum theory understanding
	Solid State Physics + Lab(C12)	Global	Develops expertise in solid materials
	Nuclear and Thermal Physics(DSE1)	Global	Provides insights into nuclear and thermal processes
	Classical Dynamics(DSE2)	Global	Strengthens concepts in motion and forces
6th	Electro-magnetic Theory + Lab(C13)	Global	Enhances electromagnetic field expertise
	Statistical Mechanics + Lab(C14)	Global	Strengthens probabilistic analysis in physics
	Dissertation(DSE3)	Global	Develops independent research capabilities
	Experimental Techniques + Lab(DSE4)	Global	Enhances hands-on experimental skills


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