DEPARTMENT OF PHYSICS
CHANDIDAS MAHAVIDYALAYA

A Govt. Aided Degree College Affiliated to the University of Burdwan
UGC Accrediated under section 2(f) & 12(B) [1979] * NAAC Accrediated in 2016
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Program Outcomes: MINOR-PHYSICS COURSEProgramme-2023-24

The student graduating with the Degree B.Sc.MINOR-PHYSICS should be able to acquire...

- A fundamental understanding of the academic field of Physics, its different learning areas and applications in basic Physics like Astrophysics, Material science, Nuclear and Particle Physics, Atomic and Molecular Physics, Mathematical Physics, Analytical dynamics, Space science, and its linkages with related disciplinary subjects.
- Procedural knowledge that creates different types of professionals related to the disciplinary/subject area of Physics.
- Demonstrate the ability to use skills in Physics and its related areas of technology for formulating and tackling Physics-related problems and identifying and applying appropriate physical principles and methodologies.
- Recognize the importance of mathematical modeling, simulation and computing.
- Plan and execute Physics-related experiments or investigations, analyze and interpret data/information collected using appropriate methods, including the use of appropriate software such as programming languages.

Course Outcome: B.Sc. MINOR-PHYSICS COURSEProgramme

CORE COURSES (CC)	
Course Name	**Course Outcome**
MINOR-I: PHYS1021MATHEMATICAL PHYSICS	The aim of this course is to equip the students with mathematical methods that are important prerequisites for physics courses. The aim of this course is to learn computer programming and numerical analysis and to emphasize its role in solving problems in Physics. On completion of this course, the student must be able to perform different mathematical operations like calculus and vector operations which are extremely essential to study theoretical and experimental physics.
MINOR II : PHYS2021: MECHANICS	The objectives of this course is to provide an in-depth understanding of the principles of Newtonian mechanics and apply them to solve problems involving the dynamics of classical mechanical systems. This course in Mechanics serves as the foundation for further progress towards the study of physics at graduate or post-graduate level. Upon completion of the course, the student will be able to apply Newton's laws of motion to different force fields for a single particle and for a system of particles.

E-m

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