Mangalayatan
ONLINE

NAAC GRADE A+

DIRECTORATE OF DISTANCE & ONLINE EDUCATION

PG DIPLOMA IN PHYSICAL SCIENCE

COURSE BROCHURE (2026-27)

+91-9319888888 admissions@muonline.ac.in www.muonline.ac.in

INTRODUCTION

Mangalayatan Online offers a Postgraduate Diploma in Physical Sciences, comprising advanced theoretical knowledge and practical skills to deepen students' knowledge of core concepts of physics. The course curriculum also emphasizes emerging areas in physics. The program aims to impart advanced knowledge of core domains of physics, comprising classical mechanics, quantum theory, thermodynamics & statistical mechanics, electromagnetism, and modern physics. With the course modules, students will gain insight into modern scientific advancement, the research industry, tech-oriented laboratory training, and analytical problem-solving skills through rigorous coursework. The program also offers a robust foundation to pursue higher studies and lateral entry to an M.Sc. in Physics to enhance scientific competence in academic and technical sectors.

MISSION:

- To encourage students to resolve analytical problems with practical applications to foster critical thinking, scientific inquiry, and strong theo retical insight.
- To motivate them to learn applied physics knowledge to resolve real-world challenges for scientific advancement.

OBJECTIVES:

- To enhance core concepts and advanced theories of physics to strengthen students' scientific understanding and application skills.
- To develop analytical, logical, and problem-solving skills for technical pro fessions and prepare them for higher academic pursuits.
- To promote ethical scientific practice, communication skills, and profes sional acumen to enhance earning potential.

INSTRUCTIONAL DESIGN

The program is divided into two semesters and minimum credit requirement is 40 to get PG Diploma in Physical Science through OL mode from Mangalayatan University. Minimum time period for acquiring PG Diploma in Physical Science will be one year.

SEMESTER - I				
S.No.	**Course Code**	**Course Theory**	**Credit**	**Subject Total**
1	PHM-6111	Mathematical Physics	4	100
2	PHM-6112	Classical Mechanics	4	100
3	PHM-6113	Quantum Mechanics	4	100
4	PHM-6114	Classical Electrodynamics	4	100
5	PHM-6151	Physics Lab - I	4	100
	TOTAL		**20**	**500**

SEMESTER - II				
S.No.	**Course Code**	**Course Theory**	**Credit**	**Subject Total**
1	PHM-6211	Statistical Mechanics	4	100
2	PHM-6212	Electronics	4	100
3	PHM-6213	Nuclear and Particle Physics	4	100
4	PHM-6214	Computational Physics and Programming	2	100
5	PHM-6251	Physics Lab - II	4	100
6	PHM-6252	Computational Physics and Programming Lab	2	100
TOTAL			**20**	**600**

SYLLABI AND COURSE MATERIALS

Syllabi, PPR and self-learning materials are developed mostly by experienced faculty members of Mangalayatan University in consultation with contents experts and the same will be forwarded to CIQA and Board of Studies/Academic Council/ Executive Council for further suggestions and approval.

STUDY MATERIAL

The study material in digital format (e – content) of the programme shall be supplied to the students unit - wise for every course.

VIDEO LECTURES

The Video lectures as prescribed by the UGC Regulation shall be made available on the LMS portal of the University.

ONLINE COUNSELLING SESSIONS

The online counselling sessions shall be scheduled beforehand by the Subject Coordinator and informed to the learners. There shall be 6 online counselling sessions / contact classes of 1 hours each for a 4 credit course, held on Saturdays and Sundays. In case of 2 credits course there shall be 4 sessions of 1 hours each and in case of 6 credits course there shall be 8 sessions of 1 hours each.

MEDIUM OF INSTRUCTION

Medium of Course Instruction:	English
Medium of Examination:	English

STUDENT SUPPORT SYSTEMS

The university will appoint programme coordinators, course coordinator and course mentors to facilitate the learners in their learning.

Finally, The university has made appropriate arrangements for various support services including online counselling and resource-oriented-services, evaluation methods for both on and off line modes for easy and smooth services to the students' through online mode.

PROCEDURE FOR ADMISSIONS, CURRICULUM, TRANSACTION AND EVALUATION

FEE STRUCTURE

Name of the Program	Degree	Duration	One Time Reg. Fee	Semester Fee	Exam Fee Per Semester	Full Year Fee
PG Diploma in Physical Science	PG Diploma	1 Year	1000	12000	1000	26000
Total						**27000**

ACTIVITY SCHEDULE

S.NO.	Name of the Activity	Tentative months schedule (specify months) during year			
		From(Month)	To (Month)	From(Month)	To (Month)
1	Admission	Jul	Sep	Jan	Mar
2	Assignment submission (if any)	Sep	Oct	Mar	Apr
3	Evaluation of Assignment	Oct	Nov	Apr	May
4	Examination	Dec	Dec	Jun	Jun
5	Declaration of Result	Jan	Jan	Jul	Jul
6	Re-registration	Jul	Jul	Jan	Jan
7	Distribution of SLM	Jul	Sep	Jan	Mar
8	Contact Programmes (counselling, Practicals.etc.)	Sep	Nov	Mar	May

CREDIT SYSTEM			
Duration of the Programme	**Credits**	**Name of the Programme**	**Level of the Programme**
1Year	40	PG Diploma in Physical Science	PG Diploma

WHY ONLINE EDUCATION?

- Comfortable and Flexible
- Convenience of attending classes from home
- Cost Effective
- Time saving
- No commuting
- Monetary benefits- No textbooks required
- Repeated access to the same lecture
- Study anytime, anywhere
- Write proctored exam from home

ADMISSION PROCESS

- Register with Mangalayatan Online Programs
- Pay Registration fees through our available payment gateways
- Upload relevant documents and mark sheets
- Get provisional admission
- Pay semester fees
- Get admission confirmation from University
- Roll number allotted to every student
- LMS id and password creation.

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Contact Us

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