

INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Planning & Development Division

IG/P&DD/ODL/Launch/2023/420
June 08, 2023

Programme Launch Notification No. 109
M. Sc. (Physics) - MSCPH

With the approval of the Competent Authority, the M. Sc. (Physics) - MSCPH, will be offered through ODL Mode from July 2023 Session.

The details of the Programme are as under:

- Eligibility:**
1. Graduates with Major/Honours in Physics.
 2. Graduates with a B.Sc. Degree (including IGNOU B.Sc. Programme under CBCS) with Physics and Mathematics.
 3. Graduates with a B.Sc. Degree of IGNOU or any recognized Open University with a minimum of 32 Credits of Physics, and Mathematics as one of the subjects.

Medium of Instruction: English

Duration : Minimum (2 years); Maximum (4 years)

Fee Structure: ₹ 14,000/- per year

Programme Details: Total Credits 72

Examination Mode: Annual

Study Materials: Print/Digital (Both)

Expected Enrolment: 1500 per cycle

Courses:

First Semester

Course Code	Course Title	Type of Course	Credits
MPH-001	Mathematical Methods in Physics	Theory (Core)	4 Credits
MPH-002	Classical Mechanics I	Theory (Core)	2 Credits
MPH-003	Electromagnetic Theory	Theory (Core)	2 Credits
MPH-004	Quantum Mechanics I	Theory (Core)	4 Credits
MPH-005	Electronics	Theory (Core)	4 Credits

Second Semester

Course Code	Course Title	Type of Course	Credits
MPH-006	Classical Mechanics II	Theory (Core)	4 Credits
MPH-007	Classical Electrodynamics	Theory (Core)	4 Credits

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Director
Planning & Development Division
IGNOU, Maidan Garhi, New Delhi-68

Course Code	Course Title	Type of Course	Credits
MPH-008	Quantum Mechanics II	Theory (Core)	4 Credits
MPHL-009	General Physics Laboratory*	Laboratory (Core)	4 Credits
MPHL-010	Electronics Laboratory*	Laboratory (Core)	4 Credits

*These Laboratory Courses will be conducted anytime during Semesters 1 and 2.

Third Semester**


Course Code	Course Title	Type of Course	Credits
MPH-011	Statistical Mechanics	Theory (Core)	4 Credits
MPH-012	Condensed Matter Physics	Theory (Core)	4 Credits
MPH-013	Optics	Theory (Core)	2 Credits
MPH-014	Computational Physics	Theory (Core)	2 Credits
MPHL-015	Computational Physics : Laboratory	Laboratory (Core)	4 Credits
MPHE-025 or MPHE-026	Elective Course (Any one**)	Theory (Elective)	4 Credits
	Materials Science or Elements of Reactor Physics		

**Only one course out of MPHE-025 and MPHE-026 is to be opted in Semester 3. Elective course opted in Semester 3 cannot be opted again in Semester 4.

Fourth Semester⁵⁵

Course Code	Course Title	Type of Course	Credits
MPH-016	Atomic and Molecular Physics	Theory (Core)	4 Credits
MPH-017	Nuclear and Particle Physics	Theory (Core)	4 Credits
MPHE-025 or MPHE-026 or MPHE-027	Elective Courses (Any two⁵⁵)	Theory (Elective)	4 Credits + 4 Credits
	Materials Science or Elements of Reactor Physics		
	Nanoscience		

⁵⁵ Only two courses out of MPHE-025, MPHE-026 and MPHE-027, are to be opted in Semester 4, without repetition.


 Director
 योजना एवं विकास प्रभाग
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 IGNOU, Maldan Garhi, New Delhi-68

Details of Approval in the Academic Council: Approved in the 77th Meeting of the Academic Council on 28th December, 2021 vide item AC 77.27.2.

Contact Details of Programme Coordinators:

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To
Directors of Schools, Head of Divisions
AR, VCO & PS to all PVCs

Neeti Agrawal
08/08/2021
(Prof. Neeti Agrawal)
Director, P&D
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