

Bridge Course Report

Department of Physics

Hooghly Mohsin College

Bridge Course for Newly Admitted Undergraduate Physics Honours Students

17–18 July 2026

Introduction

The Department of Physics organized a two-day Bridge Course for newly admitted First Semester Physics Honours students on 17–18 July 2026. The programme comprised seven academic sessions to familiarize students with the undergraduate curriculum, laboratory practices, mathematical foundations, examination system and future opportunities in Physics.

Objectives

- Introduce students to the department and NEP curriculum.
- Explain examination and evaluation system.
- Strengthen mathematical foundations.
- Introduce laboratory apparatus and safety.
- Motivate students for higher studies and careers.

Programme Schedule

Date	Faculty	Topic
17.07.2026	HB	Syllabus Overview (3-Year and 4-Year NEP System)
17.07.2026	BDS	Basic Primitives of Computer Programming
17.07.2026	MM	Primitives of Mathematical Methods for Understanding Physics
17.07.2026	BKM	Initiation of Physics Laboratory – Part II
18.07.2026	SA	Initiation of Physics Laboratory – Part I
18.07.2026	BD	Examination Structure
18.07.2026	AR	Future Avenues

Outcome

Students became familiar with the curriculum, laboratory environment, mathematical prerequisites, examination pattern and future academic opportunities. The programme helped build confidence before the commencement of regular classes.

Conclusion

The Bridge Course successfully achieved its objectives and provided a strong foundation for the newly admitted Physics Honours students.

HOOGLY MOHSIN COLLEGE

DEPARTMENT OF PHYSICS

Organizes



BRIDGE COURSE



Strengthening Foundations, Building Excellence



17 & 18 JULY 2026

(Friday & Saturday)



**NEWLY ADMITTED
FIRST SEMESTER
PHYSICS HONOURS STUDENTS**

— Total **6** Classes —

TOPICS TO BE COVERED

1



SYLLABUS OVERVIEW

An introduction to the UG Physics curriculum, course structure and learning outcomes.

2



FAMILIARITY WITH PRACTICAL APPARATUS

Hands-on orientation to laboratory apparatus and instruments used in Physics practicals.

3

$$\sqrt{x} \quad \Sigma \quad \frac{d}{dx} \quad \pi$$

MATHEMATICAL PRELIMINARIES

Essential mathematical concepts and techniques required for Physics.



ATTENDANCE IS

≡ COMPULSORY ≡

for every student.



*A strong start today,
a successful journey tomorrow! ★*

By Order

HEAD, DEPARTMENT OF PHYSICS

Hooghly Mohsin College

$$E = mc^2$$

$$\vec{F} = m\vec{a}$$

$$a^2 + b^2 = c^2$$



Date - 15/7/2026

Department of Physics
Hooghly Mohsin College

Physics 4 years

Name of the Student	Signature of the Student	Full Signature of the Guardian	Mobile No. of the Guardian
ADRISH BASU	Adrish Basu (8961630347)	Papia Basu	8334875545 8961630347
ANUSMITA NANDY	Anusmita Nandy (9433577993)	Ganire Kumar Nandy	9903791373
ARITRA KARMAKAR			
AVAN SEN	Ayan Sen (9242459683)	Prabir Sen	9143118389
BALARAM MAZUMDER			
DEVDEEP GHOSH	Devdeep Ghosh (89227887522)	Anirban Ghosh	8436347353
FARHANA	Farhana (7501125945)	TNS SUTIAS 230075	91635697097
JITENDRA PROSAD KUKRI			
JULFIKAR ALI			
MOHAMMAD MIRAN AHSAN	Mohammad Miran Ahsan 629443776	Matloob Hussain	8820355271
PRATYAY DEY	Pratyay Dey. (9073451076)	Prabin Kumar Dey.	9434314279
PRIYAM GHOSH	Priyam Ghosh (9091716703)	Nituli Kumar Ghosh	9153283748
PUNNAG CHATTOPADHYAY	Punnag Chattopadhyay (7003734096)	Prasenjit Chattopadhyay	8016140573
PURBA SADHUKHAN	Purba Sadhukhan (9734710113)	Nakakumar Sadhukhan	98322412720
RIYA SHAW	Riya Shaw (8017869714)	Dinesh Shaw	9051303714

Son
15/07/2026

Bimal Kumar Mondal
15/7/26

N. Mondal
15/7/26
Sk. Anirban Mondal

Department of Physics
Hooghly Mahan College

Date - 15/07/2026

Name of the Student	Signature of the Student	Full Signature of the Guardian	Mobile No. of the Guardian
SALIM SEKH	Salim Sekh (7501919078)	Gobin Mostafa sk (8670154433)	8670154433
SAMPRI TI BAG	Sampri ti Bag (9883969540)	Niranjan Bag	9474194552
SANJIV KUMAR BISWAS	Sanjiv Kumar Biswas (9163484269)	Ashine Biswas	7980096828
SANJU MAL			
SHUVADEEP DAS			
SMARTA DEY	Smarta Dey (9907068965)	Sangita Dey.	9093067008 9064406029
SUBHAM SINGH	Subham Singh (9330579082)	Swapam Singh	9748155082
SUGATA GHOSH			
SUPARNA KUNDU	Suparna Kundu (7318673825)	Bejoy Kumar Kundu	9433221609

Bimal Kumar Mandal

15/7/26

N. Sekh (7501919078)
SK-Anirban 15/07/26

Suvaj 15/07/2026

Brahmani Sen.
15/07/2026

M. Mandal
15/07/26.

Date - 15/7/2026

Department of Physics
Hooghly Mahan College

Physics 3 years

Name of the Student	Signature of the Student	Full Signature of the Guardian	Mobile No. Of the Guardian
ABHROJIT DEY			
AMAN KHANRA	Aman Khanra (8670555583)	Kaongita Dutta Khanra	8653607240
KALYAN JHA			
MD FARHAN NAYEEM			
MITA MAHATO	Mita Mahato (7980233987)	Chameli Mahato	8777364162
SAYANDEEP MALLICK	Sayandeep Mallick (9875633734)	Tapati Mallick	7439374897
SHUVAM JOADDAR			
SURAJ RAJBHAR			

Bimal Kumar Mondal
15/7/26

15/07/26
Gustafus Adeli 15/7/26
SK. Anisban 15/07/26
Suraj 15/07/2026