

S N Bose National Centre for Basic Sciences

In Collaboration with the

University of Calcutta

INTEGRATED Ph.D. PROGRAMME IN PHYSICAL SCIENCES (IPhD-Ph) - 4TH SEMESTER - SPRING (JAN-MAY) 2024

CLASS SCHEDULE

| | 09:30 - 10:30 | 10:45 - 11:45 | 12:00 - 13:00 | 13:00 - 14:00 | 14:00 - 15:00 | 15:15 - 16:15 | 16:30 - 17:30 |
|-----|--------------------|---------------|---------------|-----------------------|---------------|---------------|---------------|
| MON | Tutorial (PHY 528) | PHY 528 | PHY 528 | L U N C H | PHY 504 | PHY 504 | PHY 512 |
| TUE | Tutorial (PHY 512) | PHY 530 | PHY 530 | | PHY 592 | PHY 592 | PHY 592 |
| WED | Tutorial (PHY 530) | PHY 528 | PHY 528 | | PHY 504 | PHY 504 | PHY 512 |
| THU | Tutorial (PHY 504) | PHY 530 | PHY 530 | | PHY 592 | PHY 592 | PHY 592 |
| FRI | PHY 502 | PHY 502 | PHY 502 | | PHY 502 | PHY 512 | PHY 512 |

| CODE | SUBJECT | FACULTY | STUDENTS |
|---------|--|--------------------------------------|---|
| PHY 502 | Project Research III (Compulsory Subject) | Faculty Supervisors | All Students |
| PHY 592 | Methods of Experimental Physics (Compulsory Subject) | Kalyan Mandal (Coordinator) & Others | All Students |
| PHY 504 | Astrophysics & Astronomy (Compulsory Elective) | Ramkrishna Das & Soumen Mondal | All Students |
| PHY 512 | Advanced Quantum Field Theory (Optional Elective) | Sunandan Gangopadhyay | All Students except Shaheerah Shahid |
| PHY 528 | Mesoscopic Physics (Optional Elective) | Saqib Shamim | Arpita Jana, Najrul Ansary, Shaheerah Shahid, Sourav Mandal |
| PHY 530 | Soft Matter (Optional Elective) | Jaydeb Chakrabarti | Dipendu Dhar, Keshav Saw, Rakesh Ghosh, Rudra Prosad Sarkar, Sakshi Chaudhary, Shaheerah Shahid, Sumit Yadav, Trisha Mishra |

CLASSES TO START FROM 4TH JANUARY 2024. VENUE: CLASS ROOM BS-510.

Nibedita Konar
Nibedita Konar

Deputy Registrar (Academic)



Amitabha Lahiri
09/01/24

Amitabha Lahiri
Dean (Academic Programme)

| Compulsory Electives - Sem IV | | Optional Electives - Sem IV | |
|--------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|
| 504 - Astrophysics & Astronomy | 510 - Advanced Mathematical Methods | 518 - Non-Linear Dynamics | 526 - Theory of Elementary Particles |
| 506 - Chemical Physics | 512 - Advanced Quantum Field Theory | 520 - Optical Physics | 528 - Mesoscopic Physics |
| 508 - Biological Physics | 514 - Advanced Statistical Physics | 522 - Correlated Electrons & Disorder | 530 - Soft Matter |
| | 516 - Magnetism & Superconductivity | 524 - Quantum Information Theory | 532 - General Relativity & Cosmology |