

# 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 (FEB-JUNE) 2022

### 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	PHY 401	PHY 417	PHY 417	L U N C H	PHY 408	PHY 408	PHY 401
TUE	PHY 401	PHY 401	PHY 409		PHY 491	PHY 491	PHY 491
WED	PHY 291	PHY 291	PHY 291		PHY 408	PHY 417	PHY 417
THU	PHY 401	PHY 401	PHY 409		PHY 491	PHY 491	PHY 491
FRI	PHY 291	PHY 291	PHY 291		PHY 408	PHY 409	PHY 409

CODE	SUBJECT	FACULTY	STUDENTS
PHY 401	Project Research III (Compulsory Course)	Faculty Supervisors	All Students
PHY 491	Methods of Experimental Physics (Compulsory Course)	Faculty Experts	All Students
PHY 291	Basic Laboratory II (Compulsory Course)	P K Mukhopadhyay & Atindra Nath Pal	All Students
PHY 408	Advanced Statistical Physics (Optionl Elective)	Amitabha Lahiri	Ananya Chakraborty, Pritam Roy, Rajdwip Bhar, Sudip Chakraborty
PHY 409	Magnetism & Superconductivity (Optionl Elective)	Ranjan Chaudhury & Kalyan Mandal	Devangshu Roy, Rajdwip Bhar
PHY 417	General Relativity & Cosmology (Optionl Elective)	Sunandan Gangopadhyay & Archan S Majumdar	Ananya Chakraborty, Devangshu Roy, Pritam Roy, Sudip Chakraborty

CLASSES TO START FROM 7th FEBRUARY 2022. - VENUE: CLASS ROOM 214

*Nibedita Konar*  
Nibedita Konar 4/2/22  
Deputy Registrar (Academic)



*Amitabha Lahiri*  
Amitabha Lahiri  
Dean (Academic Programme)

Compusory Electives - Sem 4		Optional Electives - Sem 4	
403 - Astrophysics & Astronomy	406 - Advanced Mathematical Methods	410 - Non-Linear Dynamics	414 - Theory of Elementary Particles
404 - Chemical Physics	407 - Advanced Quantum Field Theory	411 - Optical Physics	415 - Mesoscopic Physics
405 - Biological Physics	408 - Advanced Statistical Physics	412 - Correlated Electrons & Disorder	416 - Soft Matter
	409 - Magnetism & Superconductivity	413 - Quantum Information Theory	417 - General Relativity & Cosmology