



Indian Institute of Technology Kanpur

Department Of Physics

2026-27 - I Semester

List of Courses

Sl. No.	Course No	Course Name	Instructor	Email
1.	PHY 111	Physics Laboratory	Sudeep Bhattacharjee	sudeepb
2.	PHY 112	Classical Dynamics	Sudeep K Ghosh	skghosh
3.	PHY 113	Introduction to Electromagnetism	Arijit Kundu	kundua
4.	PHY 114	Introduction to Quantum Physics	Koushik Pal	koushik
5.	PHY 115	Oscillations And Waves	Satyajit Banerjee	satyajit
6.	PSO 201	Quantum Physics	MK Harbola	mkh
7.	PHY 203M	Fundamentals of Soft Matter	Taraknath Mandal	taraknath
8.	PHY 224	Optics	Jayasurya / Wanare	hwanare
9.	PHY 226M	Relativity	Nilay Kundu	nilayhep
10.	PHY 307	Modern Optics	H Wanare	hwanare
11.	PHY 312	Quantum Processes in Low Dimensional Superconductors	Subhomoy Haldar	shaldar
12.	PHY 315	Modern Physics Laboratory	Rajeev Gupta	guptaraj
13.	PHY 401	Classical Mechanics	S. Chakraborty	sabyac
14.	PHY 407	Special and General Relativity	Arjun Bagchi	abagchi
15.	PHY 421	Mathematical Methods	S Banerjee	sbanerjee
16.	PHY 431	Quantum Mechanics-I	T Sarkar	tapo
17.	PHY 441	Electronics	Krishnacharya/Kelkar	akelkar
18.	PHY 461/462	Experimental Physics I & II	Zakir khan	zakir
19.	PHY 497	BS Project I/II	Dipankar Chakrabarti	dipankar
20.	PHY 501/502	M.Sc. Review Project	Manas Khan	mkhan
21.	PHY 563/565	MSc Project I/II	Swagata Mukherjee	swagata
22.	PHY 696/698	M.Sc. Research Project	Navaneeth P	navaneeth
23.	PHY 613	Advanced Statistical mechanics	Adhip Agarwala	adhip
24.	PHY 614	Classical Electrodynamics II	Diptarka Das	didas
25.	PHY 615	Non equilibrium statistical mechanics	Sagar Chakraborty	sagar
26.	PHY 624	Magnetism in materials	Chanchal Sow	chanchal
27.	PHY 628	Physics of soft matter and fluids	Sivasurendar Chandran	schandran
28.	PHY 641	A physicists introduction to topology and differential geometry	Kaushik Bhattacharya	kaushikb
29.	PHY 643	Coherence and quantum entanglement	AK Jha	akjha
30.	PHY 664	Photonic Devices	R Vijaya	vijaya
31.	PHY 673	Effective Field Theory	Joydeep Chakraborty	joydeep
32.	PHY 675	Novel phases of quantum matter	TK Ghosh	tkghosh
33.	PHY 677	Optical Imaging	Venkata Jayasurya Y	jayasurya
34.	PHY 685	Quantum field theory	Sanmay Ganguly	sanmay
35.	PHY 690X	Planetary Astrophysics	Gopal Hazara	hazra
36.	PHY 801/802	Physics Seminar Course I/II	Arjun Bagchi	abagchi
37.	PHY 888	Introduction to Profession and Communication Skills for Physicists	Krishnacharya	kcharya

Head, Physics
July 2026