



**Indian Institute of Technology Kanpur**  
**DEPARTMENT OF PHYSICS**  
**2022-23 - I Semester**  
**Revised List of Courses**

S. No.	Course No	Course Name	Instructor	Email
1.	PHY 101 L	Physics Laboratory	Manas Khan	mkhan
2.	PHY102A	Classical Dynamics	Arijit Kundu	kundua
3.	PHY103A	Introduction to Electrodynamics	T.Sarkar	tapo
4.	PHY104A	Quantum Physics	Manoj K. Harbola	mkh
5.	<b>PHY105A</b>	<b>Oscillations and Waves</b>	<b>Sivasurender Chandran</b>	<b>schandran</b>
6.	PHY 224A	Optics	Venkata Jayasurya Y	jayasurya
7.	PHY 313A/ <b>SE320</b>	Physics of Information Processing	Saikat Ghosh	gsaikat
8.	PHY 315A	Modern Physics Laboratory	Krishnacharya	kcharya
9.	PHY 400	Introduction to the Department	Chanchal Sow	chanchal
10.	<b>PHY 401A/ SE314</b>	<b>Classical Mechanics</b>	<b>Supratik Banerjee</b>	<b>sbanerjee</b>
11.	PHY 407A/ <b>SE315</b>	Special & General Relativity	Nilay Kundu	nilayhep
12.	PHY 421A	Mathematical Methods I	Debtosh Chowdhury	debtoshc
13.	PHY 431A	Quantum Mechanics I	Aditya H Kelkar	akelkar
14.	PHY 441A	Electronics	K.P.Rajeev	Kpraj
15.	PHY 461/462A	Experimental Physics I & II	Zakir Hossain	zakir
16.	PHY 501/502A	M.Sc. Review Project	Dipankar Chakrabarti	dipankar
17.	PHY 543A	Condensed Matter Physics I	Amit Kumar Agarwal	amitag,
18.	PHY 552A	Classical Electrodynamics I	Soumik Mukhopadhyay	soumikm
19.	PHY 555/556A	BS Project	Kaushik Bhattacharya	kaushikb,
20.	PHY 563/565A	M.Sc. Project I & M.Sc. Project II	Diptarka Das	didas
21.	PHY 596A,598A, 696A,698A	M.Sc. Research Project	Satyajit Banerjee	satyajit
22.	<b>PHY 662A</b>	<b>Theory of Random processes and applications</b>	<b>Debashish Chowdhury</b>	<b>debch</b>
23.	PHY 627	Computer simulations in Physics	Tarakanth Mandal	tarakanth
24.	PHY 642	Condensed Matter phenomenon in low dimensional	Tarun Kanti Ghosh	tkghosh
25.	PHY 665	Uncertainty, Information, and Classical Dynamics	Sagar Chakraborti	sagarc
26.	PHY 672	Physics of Turbulence	M.K.Verma	mkv
27.	PHY 681	Quantum field Theory	Narayan Rana	narayan
28.	PHY 690G	Coherence and quantum entanglement	Anand Kumar Jha	akjha
29.	PHY 690M	Advanced General Relativity & black Holes	G.Sengupta	sengupta
30.	PHY 690N	Correlated Electrons and Quantum Magnetism	Avinash Singh	avinas
31.	PHY 690T	Superconductivity and Applications	Satyajit Banerjee	satyajit
32.	PHY 799	Research	Soumik Mukhopadhyay	soumikm

**Head, Physics**  
**July 2022**