Indian Institute of Technology Kanpur
DEPARTMENT OF PHYSICS
2020-21- I Semester (Online)
List of Courses

S. No.	Course No	Course Name		
1.	PHY 102A	Physics I	Aditya H Kelkar	akelkar
2.	PHY 103A	Physics II	Krishnacharya* Soumik Mukhopadhyay	Kcharya soumikm
3.	PHY 205A	Fundamentals of Soft Matter	Manas Khan	mkhan
4.	PHY 210A	Thermal Physics	Amit K. Agarwal	amitag
5.	PHY 226B	Relativity	Tapobrata Sarkar	tapo
6.	PHY 307A/SE 313*	Modern Optics	R Vijaya	rvijaya
7.	PHY 313A/SE 320 *	Physics of Information Processing	Saikat Ghosh	gsaikat
8.	PHY 401A/SE 314*	Classical Mechanics	Supratik Banerjee	sbanerjee
9.	PHY 407A/SE 315*	Special & General Relativity	Gautam Sengupta	sengupta
10.	PHY 421A	Mathematical Methods I	Diptarka Das	didas
11.	PHY 431A	Quantum Mechanics I	Chanchal Sow	chanchal
12.	PHY 473A	Computational Physics	M K Verma	mkv
13.	PHY 500A/ 501A/ 502A	M.Sc. Review Project	Sudeep Bhattacharjee*	sudeepb
14.	PHY 543A	Condensed Matter Physics I	Arijit Kundu	kundua
15.	PHY 552A	Classical Electrodynamics I	Kaushik Bhattacharya	kaushikb
16.	PHY 555A/ 556A	BS Project	Dipankar Chakrabarti*	dipankar
17.	PHY 563A	M.Sc. Project I	Anjan K. Gupta*	anjankg
18.	PHY 565A	M.Sc. Project II	Anjan K. Gupta*	anjankg
19.	PHY 596A,598A,696A,698A	M.Sc. Research Project	Zakir Hossain*	zakir
20.	PHY 601A	Review of Classical Mechanics	Sagar Chakraborty	sagarc
21.	PHY 603A	Review of Classical Electrodynamics	Manoj Harbola	mkh
22.	PHY 605A	Review of Mathematical Methods	Debtosh Chowdhury	debtoshc
23.	PHY 613A	Advanced Statistical Mechanics	Amit Dutta	dutta
24.	PHY 615A	Non-equilibrium Statistical Mechanics	Debashish Chowdhury	debch
25.	PHY 642A	Condensed matter phenomena in low-dimensional systems	Tarun Kanti Ghosh	tkghosh
26.	PHY 667A	High Energy Astrophysics of Binary Star Systems	Pankaj Jain* J.S.Yadav	pkjain
27.	PHY 668A	Introduction to conformal field theory	Arjun Bagchi	abagchi
28.	PHY 673A	Effective Field Theory	Joydeep Chakrabortty	joydeep
29.	PHY 681A	Quantum Field Theory	Nilay Kundu	nilayhep
30.	PHY 690G	Coherence and Quantum Entanglement	Anand K. Jha	akjha
31.	PHY 690T	Introduction to Superconductivity & Applications	Satyajit Banerjee	satyajit

* may be offered as Science Elective / Science Option

22.7.2020

Head, Physics Dept.