



Indian Institute of Technology Kanpur
DEPARTMENT OF PHYSICS
2019-20 - I Semester
List of Courses

S. No.	Course No	Course Name		
1.	PHY 101	Physics Laboratory	Asima Pradhan*	asima
2.	PHY 102	Physics I	KP Rajeev* Aditya Kelkar	kpraj akelkar
3.	PHY 103	Physics II	Soumik Mukhopadhyay* Joydeep Chakraborty	soumikm joydeep
4.	PHY 224	Optics	Saikat Ghosh	gsaikat
5.	PHY 205	Fundamentals of Soft Matter	Manas Khan	mkhan
6.	PHY 305 / SE 311	Physics of the Universe	Pankaj Jain	pkjain
7.	PHY 307 / SE 313	Modern Optics	Saurabh Mani Tripathi	smt
8.	PHY 309 / SE 303	Introductory Biophysics	Debashish Chowdhury	debch
9.	PHY 315	Modern Physics Laboratory	Krishnacharya	kcharya
10.	PHY 400	Introduction to Department	R.Vijaya	rvijaya
11.	PHY 401 / SE 314	Classical Mechanics	Kaushik Bhattacharya	kaushikb
12.	PHY 407 / SE 315	Special & General Relativity	Arjun Bagchi	abagchi
13.	PHY 421	Mathematical Methods I	Diptarka Das	didas
14.	PHY 431	Quantum Mechanics I	Chanchal Sow	chanchal
15.	PHY 441	Electronics	Jayita Nayak	jnyak
16.	PHY 461 / 462	Experimental Physics I & II	Zakir Hossain	zakir
17.	PHY 500 / 501 / 502	M.Sc. Review Project	T Sarkar	tapo
18.	PHY 543	Condensed Matter Physics I	Arijit Kundu	kundua
19.	PHY 552	Classical Electrodynamics I	Avinash Singh	avinas
20.	PHY 555, 556	BS Project	Tarun Kanti Ghosh	tkghosh
21.	PHY 563, 565	M.Sc. Project I & M.Sc. Project II	Anjan Kumar Gupta	anjankg
22.	PHY 590	Special Topics in Physics	Aditya Kelkar	akelkar
23.	PHY 598,599, 698,699	M.Sc. Research Project	Gautam Sengupta	sengupta
24.	PHY 601	Review of Classical Mechanics	Manoj K Harbola	mkh
25.	PHY 603	Review of Classical Electrodynamics	Rajeev Gupta	anjankg
26.	PHY 605	Review of Mathematical methods	Amit Kumar Agarwal	amitag
27.	PHY 613	Advanced Statistical Mechanics	Amit Dutta	dutta
28.	PHY 631	Semiconductor Nano-structures	YN Mohapatra	ynm
29.	PHY 649	Photonic Green Nanotechnology	S A Ramakrishna	sar
30.	PHY 651	Introduction to Astrophysical fluids	Supratik Banerjee	sbanerjee
31.	PHY 670	Evolutionary game dynamics	Sagar Chakraborty	sagarc
32.	PHY 672	Physics of Turbulence	MK Verma	mkv
33.	PHY 681	Quantum Field Theory	Nilay Kundu	nilayhep
34.	PHY 799	Research	Dipankar Chakrabarti	dipankar

(*) indicates instructor-in-charge,

Head, Physics
23rd July 2019