



Indian Institute of Technology Kanpur
DEPARTMENT OF PHYSICS
2016-17 - I Semester
List of Courses

S. No.	Course No	Course Name		
1.	PHY 101	Physics Laboratory	Asima Pradhan	asima
2.	PHY 102	Physics I	Amit Dutta Satyajit Banerjee	dutta satyajit
3.	PHY 103	Physics II	Krishnacharya R.C. Budhani	kcharya rcb
4.	PHY 224	Optics	SA Ramakrishna	sar
5.	PHY 303 / SE 309	Principles of Lasers & their applications	R. Vijaya	rvijaya
6.	PHY 315	Modern Physics Laboratory	Rajeev Gupta	guptaraj
7.	PHY 301 / SE 308	Energy	K.P. Rajeev	kpraj
8.	PHY 305 / SE 311	Physics of the Universe	Kaushik Bhattacharya	kaushikb
9.	PHY 307 / SE 313	Modern Optics	Sourabh Mani Traipathi	smt
10.	PHY 400	Introduction to Department	Zakir Hussain	zakir
11.	PHY 401 / SE 314	Classical Mechanics	Sagar Chakraborti	sagarc
12.	PHY 407 / SE 315	Special & General Relativity	Arjun Bagchi	abagchi
13.	PHY 421	Mathematical Methods I	Joydeep Chakraborty	joydeep
14.	PHY 431	Quantum Mechanics I	Sayantani Bhattacharyya	sayanta
15.	PHY 441	Electronics	Aditya H Kelkar	akelkar
16.	PHY 461 / 462	Experimental Physics I & II	Saikat Ghosh	gsaikat
17.	PHY 500 / 501 / 502	M.Sc. Review Project	Dipankar Chakraborty	dipankar
18.	PHY 543	Condensed Matter Physics I	Anjan Kumar Gupta	anjankg
19.	PHY 552	Classical Electrodynamics I	Shibabrata Nandi	snandi
20.	PHY 563	M.Sc. Project I	YN Mohapatra	Ynm
21.	PHY 565	M.Sc. Project II	YN Mohapatra	Ynm
22.	PHY 555, 556	BS Project	HC Verma	hcverma
23.	PHY 590	Special Topics in Physics	M.K. Harbola	mkh
24.	PHY 598, 599, 698, 699	M.Sc. Research Project	R.K. Thareja	rkt
25.	PHY 601	Review of Classical Mechanics	Soumik Mukhopadhyay	soumik
26.	PHY 603	Review of Classical Electrodynamics	Pankaj Jain	pkjain
27.	PHY 605	Review of Mathematical Methods	T K Ghosh	tkghosh
28.	PHY 615	Non-Equilibrium Statistical Mechanics	Debashish Chowdhury	debch
29.	PHY 622	Condensed Matter Physics II	Amit Kr Agarwal	amitag
30.	PHY 672	Physics of Turbulence	M.K. Verma	mkv
31.	PHY 681	Quantum Field Theory	G. Sengupta	sengupta
32.	PHY 682	Concepts of Plasma Physics	Sudeep Bhattacharjee	sudeepb
33.	PHY 690D	Density Fundamental Theory	M.K. Harbola	mkh
34.	PHY 690G	Coherence and quantum entanglement	Anand Kr. Jha	akjha
35.	PHY 690K	Quantum Dynamics : Information and computation	V Subrahmayam	vmani
36.	PHY 690M	Advanced General Relativity and Black Holes	T Sarkar	tapo
37.	PHY 690P	Principles of Lasers detector	H. Wanare	hwanare

Head, Physics