



Indian Institute of Technology Kanpur
DEPARTMENT OF PHYSICS
2018-19 - I Semester
List of Courses

S. No.	Course No	Course Name		
	PHY 101	Physics Laboratory	K.P.Rajeev	kpraj
	PHY 102	Physics I	T Sarkar* S Bhattachacharjee	tapo sudeepb
	PHY 103	Physics II	Amit Kumar Agarwal * Soumik Mukhopadhyay	amitag soumikm
	PHY 224	Optics	Saikat Ghosh	gsaikat
	PHY 2XX	Fundamentals of Soft Matter	Manas Khan	mkhan
	PHY 303 / SE 309	Principles of Lasers & their applications	R Vijaya	rvijaya
	PHY 305 / SE 311	Physics of the Universe	Pankaj Jain	pkjain
	PHY 307	Modern Optics	Saurabh Mani Tripathi	smt
	PHY 315	Modern Physics Laboratory	Krishnacharya	kcharya
	PHY 400	Introduction to Department	H Wanare	hwanare
	PHY 401 / SE 314	Classical Mechanics	Kaushik Bhattacharya	kaushikb
	PHY 407 / SE 315	Special & General Relativity	Gautam Sengupta	sengupta
	PHY 421	Mathematical Methods I	Arjun Bagchi	abagchi
	PHY 431	Quantum Mechanics I	M.K.Harbola	mkh
	PHY 441	Electronics	Aditya H Kelkar	akelkar
	PHY 461 / 462	Experimental Physics I & II	S Nandi	snandi
	PHY 500 / 501 / 502	M.Sc. Review Project	Asima Pradhan	asima
	PHY 543	Condensed Matter Physics I	Anjan Kumar Gupta	anjankg
	PHY 552	Classical Electrodynamics I	Avinash Singh	avinas
	PHY 555, 556	BS Project	Manas Khan	mkhan
	PHY 563, 565	M.Sc. Project I & M.Sc. Project II	Rajeev Gupta	guptaraj
	PHY 590	Special Topics in Physics	M.K.Harbola	mkh
	PHY 598,599, 698,699	M.Sc. Research Project	Zakir Hossain	zakir
	PHY 601	Review of Classical Mechanics	Arijit Kundu	akundu
	PHY 603	Review of Classical Electrodynamics	V Subrahmanyam	vmani
	PHY 605	Review of Mathematical Methods	Joydeep Chakraborty	joydeep
	PHY 631	Semiconductor Nano-structures	Y N Mohapatra	ynm
	PHY 642	Condensed matter phenomena in low-dimensional	T K Ghosh	tkghosh
	PHY 651	Astrophysical Fluids	Supratik Banerjee	sbanerjee
	PHY 670	Evolutionary Game Dynamics	Sagar Chakraborty	sagarc
	PHY 672	Physics of Turbulence	M K Verma	mkv
	PHY681	Quantum Field Theory	Dipankar Chakraborty	dipankar
	PHY 690G	Coherence and quantum entanglement	Anand Kr Jha	akjha
	PHY 690T	Superconductivity & Applications	Satyajit Banerjee	satyajit
	PHY 690X	Adv. Quantum & Statistical Mech.	Amit Dutta	dutta

(*) indicates instructor-in-charge

Head, Physics