



Indian Institute of Technology, Kanpur
DEPARTMENT OF PHYSICS

List of Courses (2020-2021-II regular semester and 2020-21-I for Y20 BT/BS)

	Course No	Course Name	Instructor	team
1.	PHY 102	Physics I (mid-Nov 2020 to Mar 2021)	AS* (1/2), AHK (1/2)	AS, AHK, HW, MK, MKH, SB, ZH (till end-Feb) SBh (extra)
2.	PHY 103	Physics II (mid-Nov 2020 to Mar 2021)	KK* (1/2), SoM (1/2)	KK, SoM, AKG, JN, KPR, YNM, RG. TS (extra)
3.	PSO201/PHY204A	Quantum Physics	TKG*	TKG, CS, AKJ (extra)
4.	PHY 301	Energy	KPR	
5.	PHY 399	Technical Communication	SBh	
6.	PHY 400	Introduction to the Department	SC	
7.	PHY 401	Classical Mechanics	SvC	Added due to template change
8.	PHY 412	Statistical Mechanics	DC	
9.	PHY 422	Mathematical Methods II	AB	
10.	PHY 432	Quantum Mechanics II	DpC	
11.	PHY 441	Electronics	JN	Only for backlog students
12.	PHY 500	M.Sc. Review Project I	SuB*	DD, SBh, JN
13.	PHY 501	M.Sc. Review Project II	SuB*	DD, SBh, JN
14.	PHY 502	M.Sc. Review Project III	SuB*	DD, SBh, AKA
15.	PHY 524	Introduction to Atomic and Nuclear Physics	AKA	
16.	PHY 526	Nuclear and Particle Physics	PJ	
17.	PHY 552	Classical Electrodynamics I	SMT	Added due to template change
18.	PHY 553	Classical Electrodynamics II	KB	
19.	PHY 557 + 558	BS Project III + IV	PJ*	AP, AK, SD
20.	PHY 566 + 568	MSc Project III + IV	SB*	SG, MK, JSY, JC
21.	PHY 597/598	MSc Research Project I	AKJ*	MK, JN, NK
22.	PHY 599	MSc Research Project II	AKJ*	JSY, MKV, CS
23.	PHY 602	Review of Quantum Mechanics	JC	
24.	PHY 604	Review of Statistical Mechanics	SC	
25.	PHY 607	Quantum Many Body Physics	AK	
26.	PHY 624	Magnetism in Materials	AKG	
27.	PHY 631	Physics of Semiconductor Nanostructures	SD	
28.	PHY 680	Particle Physics	DtC	
29.	PHY 690 K	Quantum Dynamics, Information and Computation	SG (1/2)*, DD (1/2)	
30.	PHY 690M	Advanced General Relativity and Black Holes	GS	
31.	PHY 690Q	Cooperative Phenomena in Classical & Quantum Systems	AD	
32.	PHY 690V	Photonic Devices	RV	
33.	PHY 690W	High Performance Computing & Machine Learning	MKV	
34.	PHY 697/699	MSc Research Project I, II	AKJ*	MK, JN, NK
35.	PHY 781	High Energy Physics II	NK	
36.	PHY 799	Research	SoM	
		Preparatory Course	TS	

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Head, Department of Physics