

# Timetable, Department of Physics, Jan - May, 2025

## Timetable Slots

	9:00 9:55	10:00 10:55	11:00 11:55	12:00 12:55	12:55 14:30	14:30 15:55	16:00 17:25	S N A C K  B R E A K	17.30 18:55	19:00 20:25
Monday	A	B	C	D	Lunch	P	Q		W	X
	FN1					AN1				
Tuesday	D	E	F	G		R	S		Y	Z
	FN2					AN2				
Wednesday	B	C	A	G		F	Challenge Lectures			
	FN3									
Thursday	C	A	B	E		Q	P		W	X
	FN4					AN4				
Friday	E	F	D	G		S	R		Y	Z
	FN5					AN5				

Segment breakups: see [academic calendar](#)

# ***Preparatory Course***

Course Code	Course Name	Instructor	Credits	Segment	Slot	Room
PH0020	Physics - II	Dr Srabani and Dr Manisha, <b>Coordinator : Dr Srabani</b>	3	16		

Slot and room will be assigned by the acad section

# ***BTech(EP) 1st year***

Course Number	Course Name	Instructor	Credits	Segment	Slot	Room
BT1010/BO1010	Introduction to Life Sciences		1	56	A	LHC-6
ID1054	Digital Fabrication		2	16	Wed: 4 - 7 pm	LHC-6
MA1150	Differential Equations	Dr. Dhriti Sundar Patra, Dr. Jyotirmoy Rana	1	34	P	LHC-6
MA1140	Elementary Linear Algebra	Dr. Aiyappan Srinivasan, Dr.	1	12	P	LHC-6

		Amit Tripathi				
ID1050/AI1100	Artificial Intelligence	Dr. Srijith P K	1	34	A	LHC-5
EM3020	Introduction to Entrepreneurship	Dr. M.P. Ganesh	1	34	Q	LHC-5
EP1031/ EP12011	EP Lab - 1	Saket+Mahe sh+Manish+ Saurabh+Kir it+Bhuvanes h+Priyotosh + Srabani, Coordinator : Prof Saket	2	16	AN5	Phy Lab
EP1208 / EP12010	Electricity and Magnetism	Dr Saranya	2	36	D	LHC-9

## ***BTech(EP) 2nd year***

Course Number	Course Name	Instructor	Credits	Segment	Slot	Room
EP2228 / EP24050	Fluid dynamics	Dr Atanu	2	36	B	PH3
EP3227 / EP24070	Nonlinear dynamics	Prof Anjan	1	56	C	PH3
EP3208 / EP24010	Advanced Mathematical Physics	Dr Srikanth	3	16	F	PH3
EP2200 / EP24020	Thermodynamics	Dr Manisha	3	16	P	PH3
EP4210 / EP24040	Computational Physics	Dr Kirit	3	16	E	PH3
EP2418 / EP24060	Electronic Device Physics	Prof Santosh	2	14	C	PH3
EP3220 / EP24030	Optics & Photonics	Dr Bhuvanesh	3	16	D	PH1
MA2140	Introduction to Statistics	Dr. Sayantee Jana	1	12	B	LHC-5
CY1031	Chemistry Laboratory	Dr. Sudarsanam Putla	2	16	AN2	Chy Lab

## ***BTech(EP) 3rd year***

Course Number	Course Name	Instructor	Credits	Segment	Slot	Room
EP3200 / EP36020	Solid State Physics	Dr Arabinda	3	16	P	PH2
EP3210 / EP36010	Quantum Mechanics-I	Prof. Narendra	3	16	B	PH1
EP3230 / EP36030	Atomic and Molecular Physics	Dr Mayukh	3	16	D	PH3
EP3205 / EP36015	Project-2	Dr Satish	3	16		
EP3061	Core EP lab-4	Dr Yogesh	2	16	AN2, AN5	Phy Lab
EP4130 / EP48110 / PH54110	Data Science Analysis	Dr Shantanu	3	16	A	PH1
EP4320 / EP48113 / PH54113	Radiation Detection, Measurement and Instrumentation	Dr Saurabh	3	16	Q	PH2

## ***BTech(EP) 4th year***

Course Number	Course Name	Instructor	Credits	Segment	Slot	Room
ID4006	Ethics and Values	Dr. M P Ganesh	1	34	G	LHC-6
PH5440/EP 4460	Computational Particle Physics	Dr Priyotosh & Dr Saranya	3	16	R	PH3
EP4130 / EP48110 / PH54110	Data Science Analysis	Dr Shantanu	3	16	A	LHC-3
EP7410 / EP48120 / PH54120	Quantum Field Theory	Dr Shubho	3	16	G	PH1
EP4320 / EP48113 / PH54113	Radiation Detection, Measurement and Instrumentation	Dr Saurabh	3	16	Q	PH2
EP4550 / EP48130 / PH54130	MEMS and Microsystems Technology	Prof Prem Pal	3	16	F	PH2
PH5430 / EP48140 / PH54140	Spintronics	Prof Surya	3	16	E	PH1
PH5830	Quantum many-body theory	Dr Atanu	3	16	Q	PH3

# ***MSc(Physics) 1st year***

Course Number	Course Name	Instructor	Credits	Segment	Slot	Room
PH6708 / PH52010	Mathematical Physics-II	Dr Anurag	3	16	A	PH2
PH5257 / PH52020	Quantum Mechanics-I	Dr Shubho	3	16	B	PH2
PH5250 / PH52030	Optics and Photonics	Dr Bhuvanesh	3	16	D	PH1
PH5260 / PH52040	Atomic & Mol. Physics	Dr Satish	3	16	C	PH2
PH6200 / PH52050	Solid State Physics	Prof Kanchana	3	16	R	PH2
PH52060	Computational Techniques	Dr Anupam	3	16	S	PH2
PH5211 / PH52011	Lab	Dr Vandana	2	16	AN1, AN4	Phy Lab
LA5180	Communication Skills: Advanced	Dr. Nandini Ramesh Sankar, Dr. Shuhita Bhattacharjee, Dr. Anadita Pan, Dr. Srirupa Chatterjee	1	12	G	LHC-6

# MSc(Physics) 2nd year

Course Number	Course Name	Instructor	Credits	Segment	Slot	Room
PH5415 / PH54015	MSc Project	Dr Yogesh	6	16		
PH6130 / PH54110	Data Science Analysis	Dr Santanu	3	16	A	LHC-3
PH54130	MEMS and Microsystems Technology	Prof. Prem Pal	3	16	F	PH2
PH54150	Energy harvesting: Sources, circuits, and applications	Dr Mahesh	3	16	S	PH3
PH53120	Advanced Functional Materials & Applications	Prof Saket	3	16	F	PH1
PH6068	<i>Computational Solid State Physics</i>	Prof. Manish	3	16	B	LHC-9
PH54120	Quantum Field Theory	Dr Shubho	3	16	G	PH1
PH53133	Optical Engineering and Lab	Dr Vandana	3	16	C	PH1
PH5830	Quantum many-body theory	Dr Atanu	3	16	P	LHC-3
PH5440	Computational Particle Physics	Dr Priyotosh & Dr Saranya	3	16	R	PH3



PH5430 / EP48140 / PH54140	Spintronics	Prof Surya	3	16	E	PH1
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## ***MTech(QSSD)***

Course Number	Course Name	Instructor	Credits	Segment	Slot	Room
PH56020	Quantum measurement and sensing	Prof Jyoti	2	14	P	PH1
PH56010	Introduction to quantum communication and computation	Dr Alok	2	14	Q	PH1
PH56220	Terahertz devices and applications	Dr Yogesh	2	14	D	PH2
PH5780	Advanced numerical methods for quantum many-body physics	Dr Archak	2	36	E	PH2

PH6130 / PH54110	Data Science Analysis	Dr Shantanu	3	16	A	PH1
PH54130	MEMS and Microsystems Technology	Prof. Prem Pal	3	16	F	PH2
PH56120	Fabrication and characterization of Quantum Devices	Prof. Surya and Prof. Jyoti	2	36	A	PH3
PH54140	Spintronics	Prof. Surya	3	16	E	PH1
PH5360	Optical Engineering and Lab	Prof. Vandana	3	16	C	PH1
PH56170	Quantum sensors and atomic clocks	Dr. Bhuvanesh	2	36	G	PH2
PH53120	Advanced Functional materials & Applications	Prof. Saket	3	36	F	PH1
PH56230	Spin logic systems	Dr. Arabinda	2	36	G	PH3
PH5602/PH 56011	QSD Lab 2	Prof Surya	2	16	AN2, AN5	Phy Lab
LA5180	Communication Skills: Advanced	Dr. Nandini Ramesh Sankar, Dr. Shuhita Bhattacharjee, Dr. Anadita Pan, Dr. Srirupa Chatterjee	1	12	G	LHC-6

## ***MSc(Medical Physics) 1st year***

Course Number	Course Name	Instructor	Credits	Segment	Slot	Room
MP50020	X-ray physics	Dr. Mayukh	2	36	F	LHC-3
MP50030	Accelerator physics & Teletherapy machines	Dr. Kirit	1	34	G	LHC-2
MP50003	Radiation Detection, Measurement & Instrumentation	Saurabh Sandilya	3	16	Q	PH2
MP50011	Lab	Prof Saket	2	16	FN1, FN3	Phy Lab
LA5180	Communication Skills: Advanced	Dr. Nandini Ramesh Sankar, Dr. Shuhita Bhattacharjee, Dr. Anadita Pan, Dr. Srirupa Chatterjee	1	12	G	LHC-6