

School of Physics Course List -Varsha 2023

SI No	Course Name & Code	Faculty List
1.	PHY211 Optics	Dr. Deepshikha Jaiswal Nagar, Dr. Chandrakala Meena
2.	PHY311/ MSP311 Mathematical Methods in Physics	Dr. Senthil Kumar
3.	PHY312/PHY3120/MSP312 Classical Mechanics	Dr. Soumen Basak
4.	PHY313/ MSP313 Electronics (minor)	Dr. Bikas C Das
5.	PHY314 /MSP314 Quantum Mechanics – I (minor)	Dr. Bindusar Sahoo
6.	PHY315/ PHY3150/MSP315 Advanced Physics Lab I (Elective for I2P 3 rd year)	Dr. Rajeev Kini
7.	PHY411/611/ MSP411 Nuclear Particle Physics	Dr. Tanumoy Mandal
8.	PHY412/PHY612/ MSP412 Condensed Matter II	Dr. Amal Medhi
9.	PHY413/PHY613/MSP413 Quantum Mechanics II	Prof. Anil Shaji
10.	PHY415/PHY4150/MSP415 Advanced Physics Experiments Lab – III (Elective for I2P 4 th year)	Dr. Vinayak B. Kamble
11.	MSP316 (Seminar for 1 st year IPhD/MSc- 1 credit)	Dr. Vinayak B. Kamble
12.	MSP417 (Viva voce for 2 nd year MSc-1 credit)	Prof. Manoj AG Namboothiri
13.	PHY416 (Seminar for 2 nd year IPHD- 1 credit)	Prof. Manoj AG Namboothiri
14.	PHY4110/PHY6110/I2P411 Experimental Methods (minor) Elective for 4 th year	Dr. Kumaragurubaran S
15.	PHY4120/PHY6120/I2P412 Semiconductor Physics and Technology Elective for 4 th year	Prof. Joy Mitra
16.	PHY4130/ PHY6130/ I2P413 Fluid Mechanics & Transport Phenomena Elective for 4 th year	Dr. Nitin Yadav
17.	PHY 4140/PHY 6140/ I2P414 Modelling Materials Elective for 4 th year	Dr. Souvik Paul

18.	PHY 4111/PHY 6111/AOE4111 Material & Device Characterization Techniques (Open Elective) Elective for 4 th /5 th year	Dr. Madhu Thalakulam
19.	PHY5123/ PHY6123 Nanoscale Physics Elective for 4 th year	Prof. M M Shaijumon
20.	PHY5232/ PHY6232 Atmospheric dynamics and Cloud physics Elective for 4 th year	Dr. M Pramitha
21.	PHY5128/PHY6128 General relativity and cosmology Elective for 4 th year	Dr. Sreedhar Dutta
22.	PHY5125/PHY6125 Foundations of Quantum Mechanics Elective for 4 th year	Dr. Debashis Saha
23.	PHY5131/ PHY6131 Spintronics: Fundamentals and device applications Elective for 4 th year	Dr. Tuhin Maity
24.	PHY5221/PHY6221 Lasers and Fiber Optic Communications Elective for 4 th year	Dr. Ravi Pant
25.	PHY5132/6132/AOE5132 (Open Elective) Statistical and Data Analysis in Physical Sciences Elective for 4 th year	Dr Shabnam Iyyani
26.	PHY5201/PHY6201/I2P5201 Principles of Digital Imaging Elective for 4 th year	Dr Suheshkumar Singh