

Course list- School of Physics- Varsha 2022

Course Code	Course Name	Faculty Name
Bridge Course	Bridge Course	Dr. Shaijumon M M, Dr. Deepshikha J Nagar, Dr. Mathew Arun Thomas, Dr. Anand Narayana Sharma
PHY111	Mechanics	Dr. Shaijumon M M, Dr. Mathew Arun Thomas
IDC111	Mathematical Tools-I (2 credits)	Prof. Ramesh Chandra Nath
PHY112	Physics Lab I	Dr. Manoj Namboothiry
PHY211	Optics	Dr. Deepshikha J Nagar Dr. Anand Narayana Sharma
PHY/MSP311	Mathematical Methods in Physics	Dr. Senthilkumar D V
PHY/MSP312/ PHY 3120	Classical Mechanics	Dr. Soumen Basak
PHY/MSP313	Electronics (Minor)	Dr. Suhesh Kumar Singh
PHY/MSP314	[Quantum Mechanics – I] (Minor)	Prof. Anil Shaji
PHY/MSP315	Advanced Physics Experiments Lab I	Dr. Rajeev N Kini
PHY/MSP411/611	Nuclear Particle Physics	Dr. Tanumoy Mandal
PHY/MSP412/612	Condensed Matter II	Dr. Madhu Thalakulam
PHY/MSP413/613	Quantum Mechanics II	Dr. Amal Medhi
PHY/MSP415	Advanced Physics Experiment Lab – III	Dr. Ravi Pant
MSP316	Seminar for 1 st year iPhD/MSc (1 Credit)	Dr. Manoj Namboothiry, Dr. Rajeev N Kini
PHY416	Seminar for 2 nd year iPhD (1 Credit)	Dr. Ravi Pant
MSP417	Viva voce for 2 nd year MSc (1 Credit)	Dr. Ravi Pant
PHY4110/6110	Experimental Methods (minor) (Elective)	Dr. S Kumaragurubaran
PHY4111/6111/ AOE 4111	Material & Device Characterization Techniques (Open Elective)	Dr. Bikas Chandra Das

PHY4120/PHY6120/I2P412	Semiconductor Physics and Technology (Elective)	Dr. Joy Mitra
PHY5123/6123	Nanoscale Physics (Elective)	Dr. Vinayak Kamble
PHY5131/6131	Spintronics Fundamentals and device applications (Elective)	Dr. Tuhin Maity
PHY5128/6128	General relativity and Cosmology (Elective)	Dr. Sreedhar B Dutta
PHY5216/6216	Advanced Mathematical Methods in Physics (Minor) (Elective)	Dr. Bindusar Sahoo
PHY 5132/6132	Statistical and Data Analysis Methods in Physical Sciences (Elective)	Dr. Shabnam Iyyani

All electives are for 4th/5th Yr BSMS, 2nd Yr MSc, IPhD and PhD students