

Department of Physics
(STUDY SCHEME-July 2024)
(ODD SEMESTER)

ODD SEMESTER		Course Offered	LTP
	Subject Code	Subject Name	
ICD-1 st Semester (all trades)	BSPH-103 (Theory)	Applied Physics-I	300
	BSPH-107 (Practical)		002
UG (GCS, GEC, GIN, GEE) trades	BSPH-401 (Theory)	Applied Physics	400
	BSPH-402 (Practical)		002
UG (Open Elective-1)	OEPH-612T	Basic Materials Science	300
UG (Open Elective-2)	OEPH-711T	Laser and its Applications	300
UG (Open Elective-3)	OEPH-611A	Analytical Mechanics	300
UG (Open Elective-4)	OEPH-611B	Statistical Physics and Thermodynamics	300
B.Sc. 1 st Year (1 st Sem)	PCMP-311 (theory)	Mechanics (Physics-I)	400
	PCMP-312 (Lab)	Mechanics Lab-I	004
B.Sc. 2 nd Year (3 rd Sem)	PCMP-411 (Theory)	Thermal Physics & Statistical Mechanics (Physics-III)	400
	PCMP-412 (Lab)	Thermal Physics & Statistical Mechanics Lab-III	004
B.Sc. 3 rd Year (5 th Sem)	PCMP-511 (Theory)	Solid State Physics (Physics-V)	400
	PCMP-512 (Lab)	Solid State Physics Lab-V	004
	PCMP-513 (Theory)	Quantum Mechanics (Physics-VI)	300
	PCMP-514 (Theory)	Elements of Modern Physics (Physics-VII)	300
	PCMP-515 (Theory)	Mathematical Physics (Physics-VIII)	300
M.Sc. 1 st Year	PH-8101	Mathematical Methods of Physics-I	410
	PH-8102	Quantum Mechanics-I	410
	PH-8103	Electronics	410
	PH-8104	Classical Mechanics	410
	PH-8151	Physics lab-I (Electronics, Optics and Microwaves)	008
M.Sc. 2 nd Year (3 rd Semester)	PH-9101	Condensed matter Physics-I	410
	PH-9102	Plasma Physics	410
	PH-9103	Statistical Physics	410
	PH-9104	Nuclear and Particle Physics	410
	PH-9151	PHYSICS LAB-II (Digital Electronics, Atomic & Nuclear Physics and Condensed Matter Physics)	008

Department of Physics
(STUDY SCHEME-July 2024)
(EVEN SEMESTER)

EVEN SEMESTER	Course Offered		LTP
	Subject Code	Subject Name	
ICD-2 nd Semster (all trades)	BSPH-104 (Theory)	Physics-II	400
	BSPH-106 (Practical)		002
UG (GME, GCE, GFT, GCT) trades	BSPH-401 (Theory)	Applied Physics	400
	BSPH-402 (Practical)		002
UG (Open Elective-5)	OEPH-621T	Plasma and its Application	300
UG (Open Elective-6)	OEPH-622T	Radiation Biophysics	300
B.Sc. 1 st Year (2 nd Sem)	PCMP-321	Electricity & Magnetism (Physics-II)	400
	PCMP-322	Electricity & Magnetism-Lab-II	004
B.Sc. 2 nd Year (4 th Sem)	PCMP-421	Waves and Optics (Physics-IV)	400
	PCMP-422	Waves and Optics-Lab-IV	004
B.Sc. 3 rd Year (6 th Sem)	PCMP-521	Electronics (Physics-IX)	400
	PCMP-522	Electronics-Lab (Physics-IX)	004
	PCMP-523	Nuclear and particle Physics (Physics-X)	400
	PCMS-521	Computational Physics skills (Physics-XI)	202
	PCMS-522	Radiation and safety (Physics-XII)	102
	PCMS-523	Basic Instrumentation skills (Physics-XII)	102
M.Sc. 1 st year (2 nd Sem)	PH-8201	Classical Electrodynamics	410
	PH-8202	Atomic & Molecular Physics	410
	PH-8203	Quantum Mechanics-ii	410
	PH-8204	Mathematical Methods of Physics-ii	410
	PH-8251	Computational Physics Lab	008
M.Sc. 2 nd Year (4 th Sem)	PH-9201	Condensed Matter Physics-ii	410
	PH-9202	Laser and its Applications	410
	PH-9203	Digital Electronics	410
	PH-9204	Radiation Physics	410
	PH-9251/PH-9252	Physics Lab-IV/Project work	008