

Department of Physics
(STUDY SCHEME)
(ODD SEMESTER)

ODD SEMESTER	Course Offered		LTP
	Subject Code	Subject Name	
ICD-1 st Semester (all trades)	PH-111 (Theory)	Physics-I	400
	PH-111 (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
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 laboratory-I (electronics, optics and microwaves)	008
M.Sc. 2 nd Year	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 LABORATORY-II (Digital Electronics, Atomic & Nuclear Physics and Condensed Matter Physics)	008

**Department of Physics
(STUDY SCHEME)
(EVEN SEMESTER)**

EVEN SEMESTER	Course Offered		LTP
	Subject Code	Subject Name	
ICD-1 st Semester (all trades)	PH-121 (Theory)	Physics-II	400
	PH-121 (Practical)		002
UG (GME, 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
M.Sc. 1 st year	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	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	Project work/lab	008