

Course Allocation for Semester starting Jan 2020:

B.Sc II Semester					
Course Title	Course Code	Course Credit	Hours/week	Course Type	Teacher
Electricity and Magnetism	PAS 103	4	4	Core Course	RP1
Electricity and Magnetism Lab	PAS 103 L	2	4	Core Course Lab	RP1+
Waves and Optics	PAS 104	4	4		JK+RP5
Waves and Optics Lab	PAS 104 L	2	4		JK
Chemistry-2	CCS 102	4	4	General Elective	CHEM
Chemistry-2 Lab	CCS 102 L	2	4	General Elective Lab	CHEM
Eng/MIL -(2)		2	2		ENG
ENV		2	2		ENV
		24	28		
B.Sc IV Semester					
Course Title	Course Code	Course Credit	Hours/week	Course Type	Teacher
Mathematical Physics- III	PAS 212	4	4	Core Course	AC
Mathematical Physics- III Lab	PAS 212 L	2	4	Core Course Lab	AC
Elements of Modern Physics	PAS 205	4	4	Core Course	SV
Elements of Modern Physics Lab	PAS 205 L	2	4	Core Course Lab	SV+RP 5
Analog System and Applications	PAS 206	4	4	Core Course	RKS
Analog System and Applications Lab	PAS 206 L	2	4	Core Course Lab	RKS
Theory of Equations and Analytical Geo	MTH 103	4	4		Math RP 2
Theory of Equations and Analytical Geo Tutorial	MTH 103 T	2	2		Math RP 2
		24	30		
B.Sc VI Semester					
Course Title	Course Code	Course Credit	Hours/week	Course Type	Teacher
Electro-magnetic Theory	PAS 303	4	4	Core Course	RP 3
Electro-magnetic Theory Lab	PAS 303 L	2	4	Core Course Lab/Tutorial	HC+RP 3
Statistical Physics	PAS 304	4	4	Core Course	JK
Statistical Physics Lab	PAS 304 L	2	4	Core Course Lab	RP 1+RP 4
Classical Dynamics	PAS 316	4	4	Elective Specialization	RP 4
Classical Dynamics Lab	PAS 316 L	2	4	Elective Specialization Lab/Tutorial	RP 4+RP 3
Nano Materials and Applications	PAS 356	4	4	Elective Specialization	RP 5
		22	28		

M.Sc. II Semester					
Course Title	Course Code	Course Credit	Hours/week	Course Type	Teacher
Statistical Mechanics	PAS 406 A	4	4	Core- Compulsory(CC)	SV
Advanced Quantum Mechanics	PAS 407 A	4	4	Core- Compulsory(CC)	AC
Computer Simulations in Physics	PAS 414	2	2	Core-Open(CO)	OSKSS
Electronics Lab	PAS 415	2	4	Core-Open(CO)	RKS+
Accelerator and Reactor Physics	PAS 528	2	2	Core-Open(CO)	DSV
Electronics Circuits	PAS 405	2	2	Core-Open(CO)	DSV
Elements of Scientific Programming	PAS 428 B	2	2	Foundation Skill(FS)	HC
HM(History and Philosophy of Science)	PAS 417A	2	2	Human Making(HM)	BCC
		20	22		
M.Sc. IV Semester					
Course Title	Course Code	Course Credit	Hours/week	Course Type	Teacher
Computational Physics	PAS 428 A	4	4	Core- Compulsory(CC)	OSKSS
Computational Physics Laboratory	PAS 427	2	4	Core-Open(CO)	OSKSS+
Theoretical Nuclear Physics	PAS 527	4	4	Elective Specialization(ES)	DSV
Elementary Particles and Interactions	PAS 549	4	4	Elective Specialization(ES)	BCC
Project /Seminar	PAS 548 / PAS 520	4	4	Elective+ Specialization	All Faculty
Cosmology	PAS 539A	2	2	Elective Open	HC
		20	22		