

M.Sc. B.Ed. (Innovative) Physics

SEMESTER I (22C)	SEMESTER II (21C)	SEMESTER III (22C)	SEMESTER IV (21C)	SEMESTER V (24C)	SEMESTER VI (20C)
Mathematical Physics PHY 401 (4 Credit)	Statistical Mechanics PHY 406 (4 Credit)	Condensed Matter Physics PHY 501 (4 Credit)	Atomic and Molecular Physics PHY 407 (4 Credit)	School Internship - I EDU 611 (6 Credit)	DSE III PHY 60Y (3Credit)
Classical Mechanics PHY 402 (4 Credit)	Computational Physics PHY 409 (4 Credit)	Electronics PHY 405 (4 Credit)	Nuclear and Particle Physics PHY 408 (4 Credit)	School Internship – II EDU 612 (12 Credit)	Open Elective III XYZ (3 Credit)
Quantum Mechanics PHY 403 (4 Credit)	Physics Lab PHY 410 (4 Credit)	Learning Assessment EDU 511 (3 Credit)	Classroom Organization and Management EDU 514 (4 Credit)	Action Research in School EDU 613 (4 Credit)	Project PHY 504 (12 Credit)
Classical Electrodynamics PHY 404 (4 Credit)	Lerner and Learning EDU 413 (3 Credit)	Pedagogy of Science EDU 512 (4 Credit)	Pedagogy of Physics EDU 516 (3 Credit)	Community Based Participatory Research EDU 614 (2 Credit)	Seminar PHY 505 (2 Credit)
Basics of Education EDU 411 (3 Credit)	Teaching Approaches and Strategies EDU 414 (3 Credit)	DSE I PHY 60Y (3Credit)	DSE II PHY 60Y (3Credit)		
Senior Secondary Education in India: SCS EDU 412 (3 Credit)	Open Elective I XYZ (3 Credit)	Internship PHY 503 (4 Credit)	Open Elective II XYZ (3 Credit)		

Internship – 4 Credits (6-8 weeks)

Fitness / Societal –2 Credits Audit course

Minimum Credits for Award of Degree: 130 Credits

Core (Physics): 44 C, Core (Education): 50 C, DSEs/Electives: 18C; Dissertation: 12 C, Internship + Seminar: 6 C; Fitness / Societal: 2 C

A student has the choice of either opting for Project or equivalent credit of additional Discipline Specific Electives/Electives.