

Course Number	Course	Credit hours	Prerequisite
0302360	Quantum Mechanics (1)	3	0302201 0302262&

Wave function, Schrödinger equation in one dimension, statistical interpretation of wave function, uncertainty principle, stationary states, application to one dimensional potentials (infinite square well, harmonic oscillator, free particle, Dirac potential, finite square well) Matrix quantum mechanics, Hilbert spaces, observables, Hermitian operators, Dirac notation.