



601110 General Physics for Medical Sciences

[2 cr., 2, 0] (Dentistry) Units, Physical quantities, and vectors, Newton's laws of motion, fluid mechanics, Viscosity and Turbulence, sound and hearing, the Doppler Effect, temperature and heat, Phase Changes, Mechanisms of Heat Transfer, the nature and propagation of light, geometric optics and optical instruments, Polarization, thin Lenses, the Eye, photons, electrons, and atoms, Emission and Absorption of Light, the Nuclear Atom, the Laser, X-Ray Production and Scattering, Continuous Spectra, nuclear physics, Nuclear Stability and Radioactivity, Activities and Half-Lives, Biological Effects of Radiation.