

SYLLABUS :-

The realm of nebulae : Our Galaxy - external galaxies - our neighborhood  
Hubble's law of expansion - mapping the distribution of galaxy. The expanding universe : the cosmological Principle- dynamics of the expanding Universe - different cosmological models - space time curvature - cosmological constant. Thermal history of the universe. Current problems in cosmology: dark matter - inflation - large-scale structure formation and CMBR anisotropies - the high redshift universe.