

SYLLABUS :-

Prerequisite: None Forces acting on ship structure; Idealization of ship structure as hull girder; Longitudinal bending of hull girder \hat{a} weight and buoyancy curves; deflection, shear force and bending moment diagrams; Section Effect of shear force in bending; Stresses in inclined conditions; modulus-Bending and shear stresses, Longitudinal strength standards; Analysis of bulkheads and decks; Structural discontinuities and stress concentration; Analysis of beam and frame using stiffness method; Introduction to elasticity; Plane stress and plate bending problems.