

SYLLABUS :-

Prerequisites: AE21001

3 - 1 - 0: 4 CreditsAerofoil characteristics, Classical aerofoil theory â camber and thickness problems, The source and vortex panel numerical methods, Prandtl s lifting line theory, Lifting surface theory, The vortex lattice method and general 3-D panel method, Boundary layer characteristics. Books:E L Houghton and A E Brock, Aerodynamics for Engineering Students, Edward ArnoldE L Houghton and N B Carruthers, Aerodynamics for Engineering Students, Edward ArnoldJ Katz and A E Plotkin, Low Speed Aerodynamics, Cambridge University PressJ D Anderson, Jr., Fundamentals of Aerodynamics, McGraw-Hill InternationalH Schlichting, Boundary Layer Theory, McGraw-Hill