

SYLLABUS :-

Prerequisites: AE31002

3 - 0 - 0: 3 Credits Introduction, degrees of freedom, response of single degree of freedom system, Laplace transform, harmonic excitation virtual work, Lagrange's equation, multiple degree of freedom, undamped modes and frequencies; Static aeroelasticity, divergence of wind tunnel models, wall-sting and strut-mounted models, control reversal, classical flutter analysis, one and two-degree of freedom flutter, flutter boundary characteristics.