

Module Name: Theory of Vibrations

Module Code: KEMA4423 (Airconditioning Branch), KEMG4415 (General Branch)

Module Description:

It is an introductory course in mechanical vibrations. This course covers vibrations of discrete and continuous mass systems. Students will study in this course the transient and steady-state vibrations of undamped and damped single-degree-of freedom systems, vibrations of multiple-degree-of freedom systems, vibrations of continuous mass systems, resonance, beating phenomenon, effect of damping, and vibration control.