

Ansys Mechanical Linear and Nonlinear Dynamics

Module 00: Virtual Classroom Course Agenda

Release 2022 R2

Please note:

- These training materials were developed and tested in Ansys Release 2022 R2. Although they are expected to behave similarly in later releases, this has not been tested and is not guaranteed.
- The screen images included with these training materials may vary from the visual appearance of a local software session.

Virtual Classroom Session 1 Agenda

- For virtual training, this course is covered over 4 x 2-hour sessions, lectures only.
- Module 01: Introduction
 - Workshop 01.1: Flywheel
- Module 02: Damping
 - Workshop 02.1: SDOF Oscillators
- Module 03: Modal Analysis
 - Workshop 03.1: Plate with Hole
 - Workshop 03.2: Bladed Disk
 - Workshop 03.3: Valve Body
- Module 04: Modal Cyclic Symmetry Analysis
 - Workshop 04.1: Bevel Gear

Virtual Classroom Session 2 Agenda

- Module 05: Linear Perturbation Analysis
 - Workshop 05.1: Perturbation of Two Beams
- Module 06: Harmonic Analysis
 - Workshop 06.1: Fixed-Fixed Beam
- Module 07: Response Spectrum Analysis

Virtual Classroom Session 3 Agenda

- Module 07: Response Spectrum Analysis (cont'd)
 - Workshop 07.1: Suspension Bridge
- Module 08: Random Vibration Analysis
 - Workshop 08.1: Girder Assembly
- Module 09: Transient Analysis

Virtual Classroom Session 4 Agenda

- Module 09: Transient Analysis (cont'd)
 - Workshop 09.1: Caster Wheel
 - Workshop 09.2: Gantry Crane
 - Workshop 09.3: Wire Bonder
- Module 10: Component Mode Synthesis
 - Workshop 10.1: Blower Frame CMS



End of presentation