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ANSYS Mechanical Basic Structural Nonlinearities is a 2-day training course for engineers that need to perform structural nonlinear analyses using the ANSYS Mechanical. This course is intended for users who have taken the ANSYS Mechanical Introduction course and who are already familiar with the procedures for performing a linear static analysis in ANSYS Mechanical.

Completion of the Introduction to ANSYS Mechanical Getting Started course is required. Completion of the Mechanical Basic Structural Nonlinearities courses is recommended. Target Audience: Engineers and Designers. Teaching Method: Mechanical Engineer with a background on material modeling in FE analysis and nonlinear problems modelization.

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In this Ansys Innovation Course on “Introduction to Nonlinearities” we will present a discussion on

what is meant by a structure’s mechanical response and what makes it nonlinear. Upon completion, students will be able to make informed decisions on whether a linear or a nonlinear solver is best suited for analyzing a system.

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