ANSYS Mechanical Advanced Contact & Fasteners

WHO IS THE COURSE FOR?

This course offers expanded information on contact technology as well as an introduction to bolt pretension, gaskets and joint technology using the ANSYS Workbench Mechanical Interface. It is intended for users already familiar with the procedures for performing a linear static analysis in the Mechanical environment. Each course topic is followed by hands-on workshops and exercises.

A technical education and background is recommended but an engineering degree is not required.

DURATION

- **2 Days**

TOPICS COVERED

- **Overview**
- **Interface Treatments**
- **Accessing Advanced Contact Features via MAPDL**
- **Bolt Pretention**
- **Gaskets**

COURSE AIMS

- **Review Background on Contact**
- **Utilising the contact auto adjustment features**
- **Use the Contact Tool**
- **Enable advanced contact features**
- **Specify idealised springs and beams**
- **Define joints**
- **Access contact features not accessible via the Mechanical interface**
- **Apply bolt pretension loads in a sequence**
- **Create gasket meshes and define gasket properties**

RECOMMENDED FOLLOW-ON COURSES

(Dependent upon the student's interests and applications)

- **ANSYS Mechanical Advanced Nonlinear Materials**
- **ANSYS Mechanical Heat Transfer**
- **ANSYS Mechanical Rigid Body Flexible Body Dynamics**