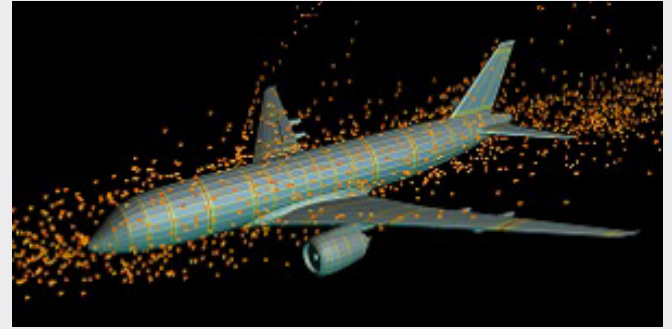


# Autodesk Inventor Dynamic Simulation

## Course Description

This course will cover the basic and advanced functionality of dynamic simulation within the Inventor modelling application, allowing you to acquire the knowledge needed to complete thorough evaluation of product performance. The course focuses on solving actual design problems. These problems are from existing Inventor Dynamic Simulation users, and are universal, thus allowing you to apply the knowledge quickly to your own design problems with confidence.



## Prerequisites

A good working knowledge of Autodesk Inventor, plus an understanding of MS-Windows.



## Topics Include

- ❑ Simulation Workflow
- ❑ Dynamic Simulation Environment and UI
- ❑ Simulation joints and degrees of freedom
- ❑ Process of creating joints
- ❑ Simulation and Analysing
- ❑ Environmental Constraints
- ❑ Analysing and Interpreting Results
- ❑ Solving Design problems using various tools
- ❑ Examples include:
  - ❑ Simulation of racing car piston assembly
  - ❑ Agricultural Spring mechanism design
  - ❑ Rotary Compressor Design
  - ❑ Simulating a sprocket Chain

Course Duration: 2 Days

Next Step: A Bespoke Course