Objective: The primary objective of this course is to provide students with hands-on exercises of the different features of Autodesk Moldflow Adviser.

Level: Essentials

Duration: 3 days (24 hrs.)

Who Should Attend: This course is designed for any Autodesk Moldflow Adviser user. Course covers features of Standard, Premium and Ultimate licenses.

Pre-requisites: Before attending this course, it is recommended that students complete the tutorials and review the 4 pre-theory recordings (which will be provided by the instructor upon registration).

Autodesk® Moldflow® Adviser

Autodesk® Official Training

Course Description

In this course, students learn features, functionalities and workflows in Autodesk Moldflow Adviser through hands-on exercises.

Course Outline - Autodesk Moldflow Adviser

- **User Interface Review:** Discusses how to use the interface, job manager, & how to customize databases
- **Quick Fill-Pack-Warp Analysis:** Step through the general process typically used for any analysis project
- **Design Adviser Analysis:** Learn how to import, and check models from CAD systems
- **Gate Location:** Describes the procedures to follow to complete and interpret gate location analysis
- **Molding Window:** Describes the procedures to follow to complete and interpret molding window analysis
- **Evaluating the Part Design:** Review part design guidelines, tools for analyzing part design, and how to interpret analysis results
- **Autodesk Moldflow Communicator:** Review features and capabilities
- **Report Generator:** Shows ways to create reports & available formats
- **Modeling Runners**: Review typical gate and runner designs and how to model them
- **Runner Adviser & Runner Balance:** Review the importance of balancing runner systems
- **Pack & Warp Overview:** Review concepts of pack/hold for injection molds
- **Modeling Cooling Circuits:** Model cooling circuits with various cooling geometries
- **Cooling Analysis Overview:** Review concepts of cooling for injection molds
- **Effects of Cool over Pack & Warp:** Understand the differences in the results when running different analysis sequences
- **Advanced Modeling Tips:** Tips for faster and easier runners and cooling line layouts

Appendices:

- **Thermoplastic Overview:** Review polymer definition and classification, key polymer properties, and thermoplastic material families & abbreviations
- **Injection Molding Overview:** Review of the injection molding process
- **Finite Element Overview:** Review of finite elements and mesh types used within Autodesk Moldflow Insight
- **Moldflow Design Principles:** Review of the Moldflow design principles and how to apply them
- **Analysis Workflow:** Discusses Moldflow design philosophy and design procedures

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