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## Training Course Details

**Title:** I-DEAS TMG Thermal Analysis

**Course Objectives:** The I-deas NX TMG Thermal Analysis course provides students with comprehensive instruction in the use of I-deas TMG to model heat transfer problems. Students will learn the skills necessary to carry out sophisticated thermal analysis quickly and easily, including geometry construction and manipulation, meshing, heat transfer modeling, boundary condition application, solution setup, post-processing and model validation. The course deals with both theoretical and practical aspects of how the software handles heat transfer by conduction, radiation and convection and includes a variety of examples and tutorials addressing a wide range of applications.

**Who Should Attend?** Mechanical engineers who need to model and simulate heat transfer in components or complex systems.

**Agenda overview:** Creating parts  
Meshing  
Boundary conditions  
Conduction modeling  
Radiation modeling  
Convection modeling

**Duration:** 5 days

**Software Version** I-DEAS NX 6

**Prerequisites:** None

**Deliverables:** Student guide  
Activity material  
Course certificate

**Optional activities:** I-DEAS Part Design  
I-DEAS Assembly Design