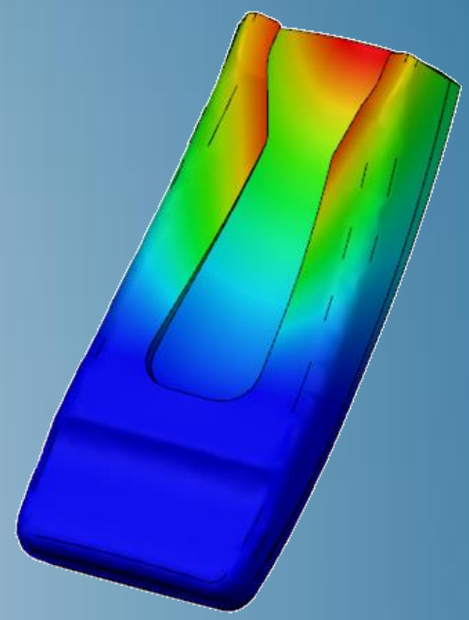
Static Study Essentials

R2017x



3DEXPERIENCE®

About this Course

Course objectives

Upon completion of this course you will be able to:

- Search for simulation data in the database
- Open the simulation for modification
- Perform a simulation using the Static Study app
- Review simulations stored in a database and generate reports

Targeted audience

This course is intended for the following role:

- Mechanism Simulation Designer

Prerequisites

The following course is required prior to taking this one:

- None

4 hours

Day 1

- Lesson 1 — Introduction
- Lesson 2 — Structural Simulation
- Workshop 1 — Stress Analysis of a Medication Reminder

Join the Community!

How can you maximize the robust technology of the SIMULIA Portfolio ?

Connect with peers to share knowledge and get technical insights

Go to www.3ds.com/slc
to log in or join!

SIMULIA

Let the SIMULIA Learning Community be *Your* Portal to 21st Century Innovation

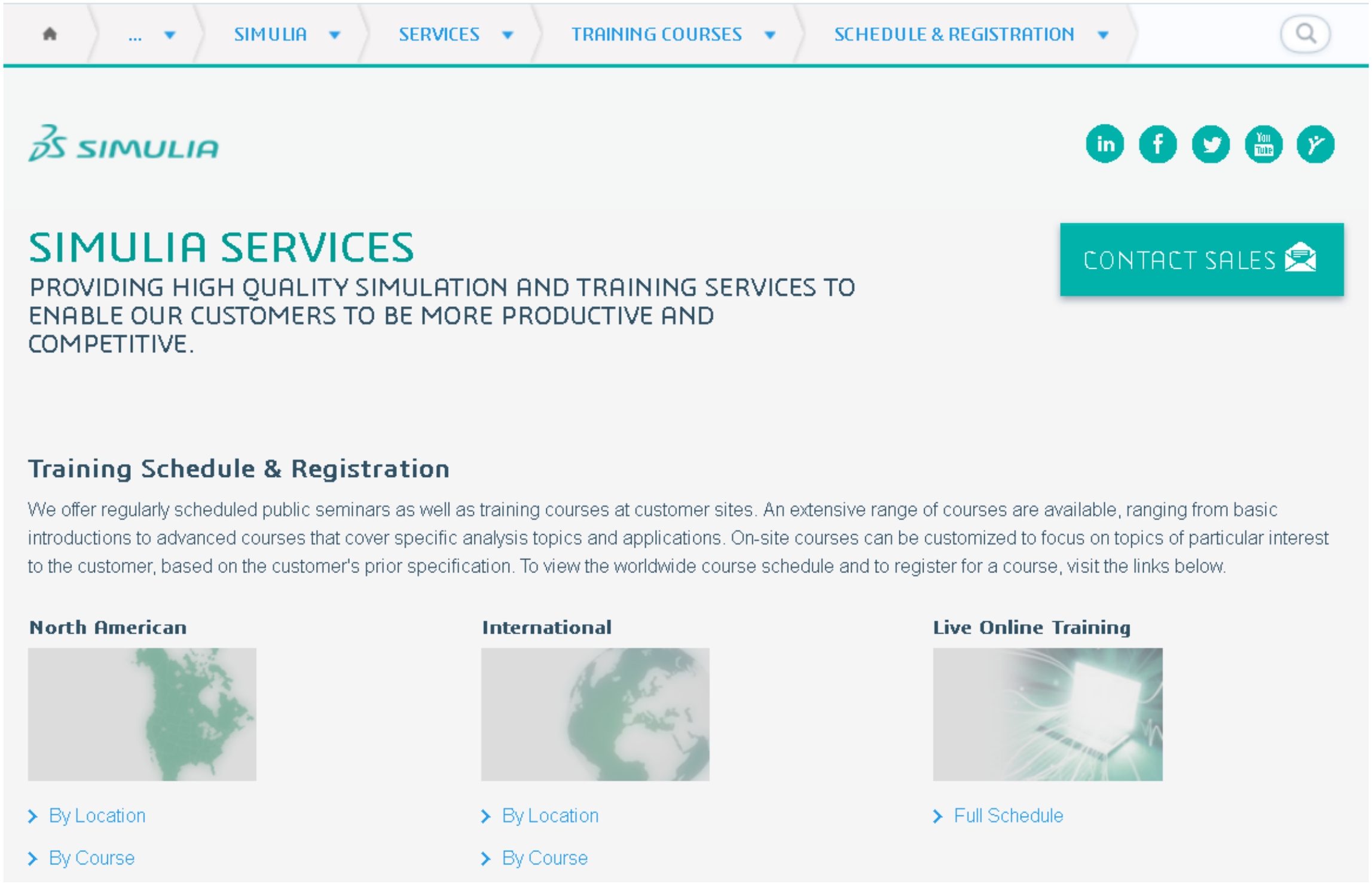
Discover new ways to explore how to leverage realistic simulation to drive product innovation. Join the thousands of Abaqus and Isight users who are already gaining valuable knowledge from the SIMULIA Learning Community.

For more information and registration, visit **3ds.com/simulia-learning**.
Connect. Share. Spark Innovation.

DASSAULT SYSTEMES | The **3D**EXPERIENCE Company

SIMULIA Training

http://www.3ds.com/products-services/simulia/services/training-courses/



Legal Notices

Revision Status

Lesson 1	5/17	New for R2017x
Lesson 2	5/17	New for R2017x
Workshop 1	5/17	New for R2017x

Lesson 1: Introduction

Lesson content:

- Introduction
- **3D**EXPERIENCE Platform Basics
- Geometry for simulation

1 hour

Lesson 2: Structural Simulation Basics

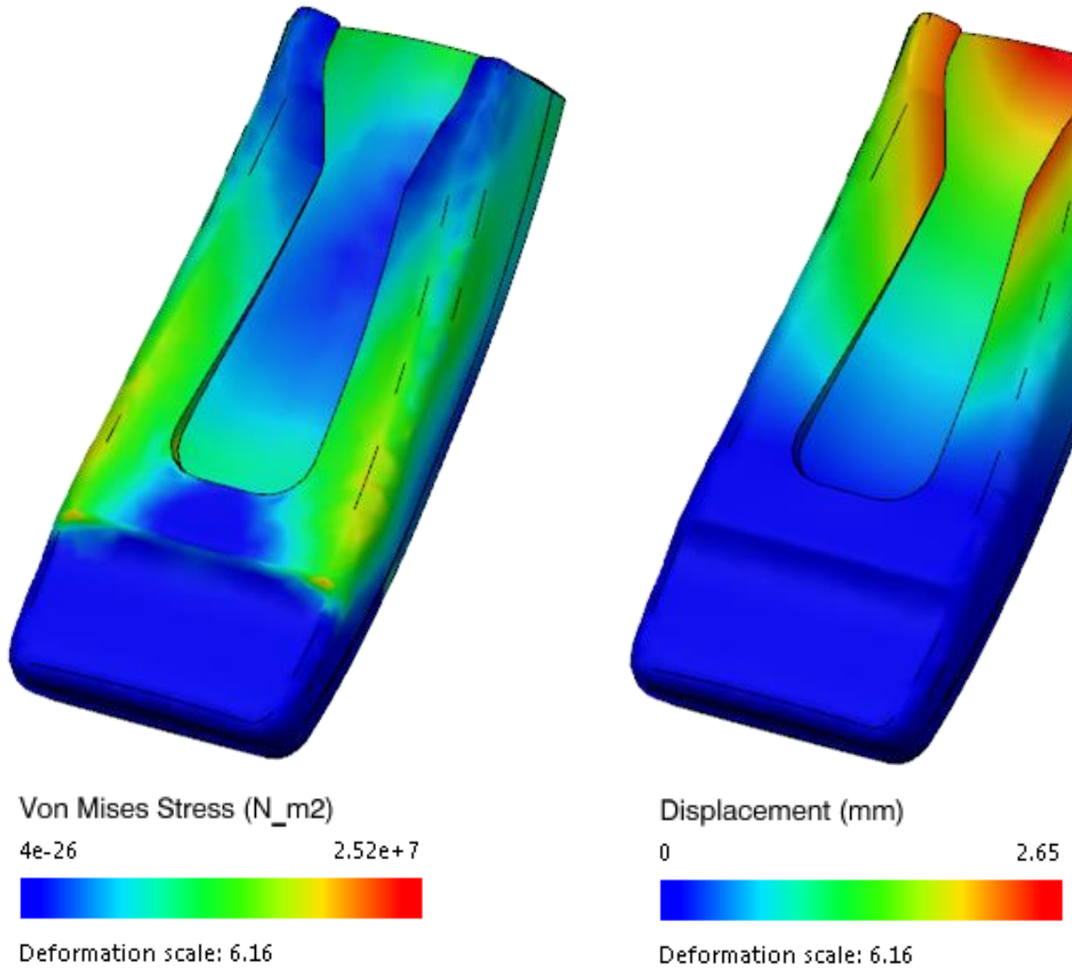
Lesson content:

- Introduction: Running a Simulation
- Contributing Parts
- Mesh
- Materials
- Contact
- Restraints
- Loads
- Structural Loads
- Simulate
- Results
- Workshop Preliminaries

2 hours

Workshop 1: Stress Analysis of a Medication Reminder

In this workshop, we consider the Medication Reminder assembly shown below. The assembly consists of two parts, a top cover and a bottom part. The design is simple, appealing and very easy to use. As a designer, however, you may not know if this product is sturdy enough and if it will hold together in a real life situation or qualify the product specification. By running a static stress simulation, you can come to a conclusion about the product design and thereby develop a mature product.



1 hour