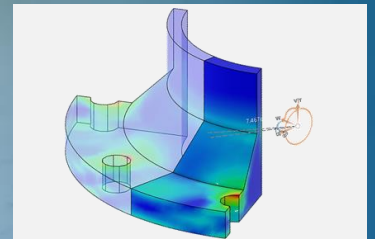


# LINEAR STRUCTURAL SCENARIO CREATION ESSENTIALS

SIMULIA COURSE DESCRIPTION



**Level:** Fundamental  
**Products:** 3DEXPERIENCE  
**Disciplines:** Structures

**Audience**  
This course is intended for users with the Linear Structural Scenario Creation app, including the role:  
· Structural Engineer

## Why take this course?

This course is an introduction to structural and thermal simulations for engineers and designers with the Linear Structural Scenario Creation app on the 3DEXPERIENCE platform. It teaches you how to solve linear structural analyses in preparation for evaluating the performance of products during the product development stage.

## What will you learn?

Upon completion of this course, you will be able to:

- Create a static perturbation, frequency, linear dynamic, or steady-state thermal simulation
- Apply materials and control mesh display for the

finite element model

- Define loads and restraints, bolt loads and contact for a simulation
- Run the simulation and review the results

## Explore Your Learning Options

|                           |                                                                                                                                          |                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| <b>Live Sessions</b>      | Engage in Real-Time, interactive group workshops guided by experts. Learn and collaborate live in your preferred language and time zone. | <a href="#">Join a live session</a>            |
| <b>On-Demand Learning</b> | Access expert-designed courses anytime, anywhere. Perfect for independent learners looking to build skills on their schedule.            | <a href="#">Start Learning Now</a>             |
| <b>Private Training</b>   | Exclusive, tailor-made sessions designed to meet your team's unique goals with expert guidance.                                          | <a href="#">Contact Us for Custom Training</a> |



**Gain hands-on experience and master real-world workflows through guided, practical training sessions.**

Run simulations collaboratively within the 3DEXPERIENCE platform, connecting design, data, and analysis seamlessly.

– SIMULIA Training Expert Team

#### **What You Need to Know Before Starting**

The following course is recommended prior to taking this one:

- Structural Model Creation Essentials

#### **Want to Learn More?**

Expand your knowledge by exploring our [course Catalog](#) and browsing learning paths on [Eduspace](#), our dedicated e-learning platform.

#### **Join the Community!**

[Join the SIMULIA community](#) to connect, learn, and stay updated.



# 3DEXPERIENCE®

Dassault Systèmes is a catalyst for human progress. Since 1981, the company has pioneered virtual worlds to improve real life for consumers, patients and citizens.

With Dassault Systèmes' 3DEXPERIENCE platform, 370,000 customers of all sizes, in all industries, can collaborate, imagine and create sustainable innovations that drive meaningful impact.

For more information, visit: [www.3ds.com](http://www.3ds.com)

**Europe/Middle East/Africa**  
Dassault Systèmes  
10, rue Marcel Dassault  
CS 40501  
78946 Vélizy-Villacoublay Cedex  
France

**Asia-Pacific**  
Dassault Systèmes  
17F, Foxconn Building,  
No. 1366, Lujiazui Ring Road  
Pilot Free Trade Zone, Shanghai 200120  
China

**Americas**  
Dassault Systèmes  
175 Wyman Street  
Waltham, Massachusetts  
02451-1223  
USA

**Virtual Worlds  
for Real Life**

