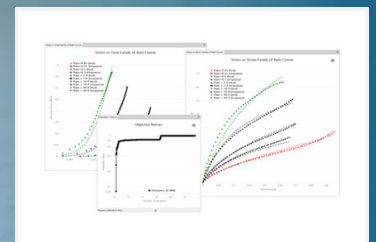


MATERIAL CALIBRATION ESSENTIALS

SIMULIA COURSE DESCRIPTION



Level: Fundamental
Products: 3DEXPERIENCE
Disciplines: Structures

Audience
 This course is intended for all roles that enable the Material Calibration app, including:

- Material Calibration Engineer
- Structural Mechanics Engineer
- Structural Analysis Engineer

Why take this course?

An accurate means to correlate the response of the mathematical model for structural simulation to test data is important, to modeling real world performance of assemblies. This course will introduce optimization methods in the Material Calibration app used to determine optimized material values, check the goodness of fit and exported materials for use in Abaqus or 3DEXPERIENCE structural simulation.

What will you learn?

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

- Import and plot material test data, configure optimization controls.
- Calibrate material models with the numerical and analytical execution modes.
- Create materials for physics simulation or export an

Abaqus material for legacy simulation.

- Use FE-based calibration with a physics simulation or an imported Abaqus input file.
- Delete simulations, calibration data, or created materials.

Explore Your Learning Options

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



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 strongly recommended prior to taking this one:

- Getting Started with Physics Simulation

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.



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