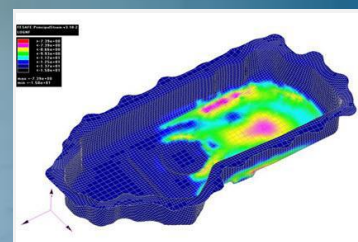


INTRODUCTION TO FE-SAFE

SIMULIA COURSE DESCRIPTION



Level: Fundamental
Products: fe-safe
Disciplines: Structures

Audience
 Simulation Analysts

Why take this course?

Durability is a requirement for product creation in many industries, because cycling loads can cause damage much sooner than a static load. This course introduces fatigue life calculations in fe-safe and gives you an understanding of how to configure a fatigue analysis based on FEA solutions. These life results can be used to iterate on a design and improve the overall durability of the design. The course is divided into lectures and workshops. The course's workshops are integral to the training. They are designed to reinforce concepts presented during the lectures. They are intended to provide users with the experience of running and troubleshooting actual fatigue analyses.

What will you learn?

Upon completion of this course you will be able to set up and run various fatigue analyses using fe-safe, including:

- Import FEA solutions into fe-safe
- Select a material for fatigue analysis
- Define fatigue loadings
- Run room temperature fatigue analysis in fe-safe
- Understand the most commonly used fatigue algorithms
- Use factor of strength to evaluate a target life
- Understand the fatigue life results
- Request additional exports and outputs

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.

Assess fatigue life and durability to enhance product reliability and performance.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

This course has no prerequisites.

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

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**

