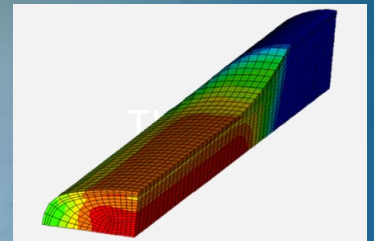


METAL FORMING WITH ABAQUS

SIMULIA COURSE DESCRIPTION



Level: Advanced
Products: Abaqus
Disciplines: Structures

Audience
 This course is recommended for simulation analysts who will perform metal forming analysis.

Why take this course?

Metal forming processes are highly nonlinear because they involve geometric, material and contact nonlinearities. Therefore, simulating these processes numerically can be a difficult task. However, numerical simulations of forming processes present advantages that outweigh the difficulties. Numerical simulation can reduce both the cost and length of a product development cycle by identifying potential forming problems prior to tooling fabrication and reducing the time and cost associated with tooling rework. Numerical simulation can also improve the quality of the part being manufactured through testing to ensure that the manufacturing processes appropriately account for springback and stretching of the parts. Using lectures and hands-on workshops, this course provides practical modeling skills and techniques for simulating forming processes.

What will you learn?

In this course you will learn practical modeling skills and techniques for:

- Stamping
- Hydroforming
- Punch stretching
- Forging
- Rolling
- Drawing
- Superplastic forming

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.

Apply nonlinear analysis techniques to simulate complex structural and multiphysics problems accurately.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

Introduction to Abaqus or equivalent and experience using Abaqus.

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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