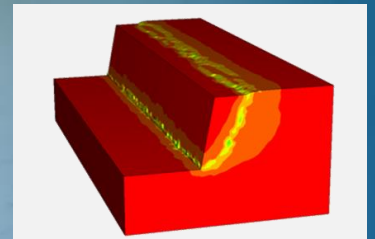


ANALYSIS OF GEOTECHNICAL PROBLEMS WITH ABAQUS

SIMULIA COURSE DESCRIPTION



Level: Advanced
Products: Abaqus
Disciplines: Structures

Audience
This course is recommended for simulation analysts who will perform geotechnical simulations.

Why take this course?

This course provides an overview of modeling geotechnical problems with Abaqus, including issues related to experimental testing, calibration of constitutive models and coupling between fluid flow and stress/deformation in the analysis of porous media. Modeling issues related to geotechnical problems are addressed and numerous illustrative examples are examined.

What will you learn?

The topics covered in this course include the following:

- An overview of modeling geotechnical problems
- Experimental testing and how it relates to the calibration of constitutive models for geotechnical materials
- Using and calibrating the different geotechnical material constitutive models available in Abaqus and their limitations
- The coupling between fluid flow and stress/deformation in the analysis of porous media
- Modeling issues related to geotechnical problems

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

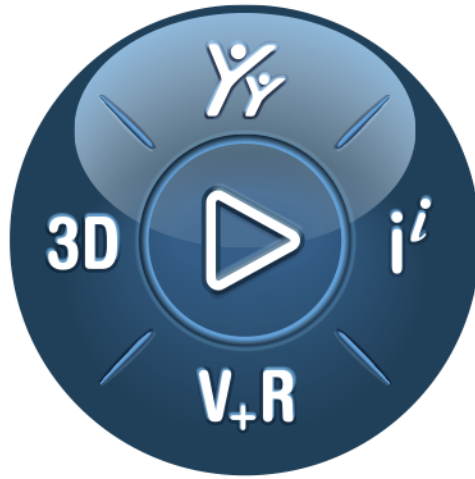
Introduction to Abaqus and experience using Abaqus/Standard.

Want to Learn More?

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