



AutoCAD Civil 3D 2012 – Soil Stability Analysis

(As presented at Autodesk University 2010)

Course Duration:

1 day

Award:

Autodesk Official Certificate in AutoCAD Civil 3D 2012

Course Description

This intermediate-level course provides a work-flow for analysing soil stability and producing risk assessment maps in AutoCAD® Civil 3D® and AutoCAD® Map 3D®.

Objectives

The primary objective of the course is to provide students with the skills to be able to analyse soil stability and present the results graphically using AutoCAD® Civil 3D® and AutoCAD® Map 3D®. After completing this course, students should be able to:

- Create ground model of existing conditions
- Model and analyse sub-surface geological strata
- Analyse and display soil characteristics
- Combine soil characteristics and analyse soil stability
- Create a risk assessment and display results

Who Should Attend:

Civil Engineers, technicians or draughting personnel who are involved with soil stability analysis.

Prerequisite:

Experience working with AutoCAD Civil 3D or completion of the AutoCAD Civil 3D Road Design Essentials course is a prerequisite to attending this course.

Course Content:

Surface Modeling

- Create ground model of existing conditions
- Import probed soil depths
- Create model of sub surface geological layers

Surface Analysis

- Analyse soil characteristics – depth & slope
- Combine results for soil stability analysis
- Visually display results on a risk assessment map

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