

evolveconsultancy

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approved DGH

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TRAINING SYLLABUS

GENERATIVE COMPONENTS SCRIPTING

no. of delegates Up to 6 maximum.

description This one day course provides a deeper insight into the use of Generative Components through its scripting language.

prerequisites A basic working knowledge of GC.

objectives Attendees will learn to develop their use of GC, introducing the concepts of scripting. The session will also teach interaction between GC and other software, including MicroStation and Excel.

1. CREATING & MANIPULATING
GEOMETRY

2. SCRIPTS

- Setting up scripts
- Developing logical script concepts
- Scripting loops
- Scripting conditionals – Creating models that respond to changing parameters (environmental, contextual, site analysis and more)

3. GENERATING DATA AND
DRAWINGS FROM THE GC
MODEL

- Obtaining input data from excel
- Exporting model data to excel

4. EFFICIENT SCRIPT
MANAGEMENT

5. GEOMETRY MANAGEMENT

6. SCRIPT DEBUGGING

7. OPTIMISATION LOOPS

8. CONTROL STRATEGIES

- Law curves

9. INTERFACING WITH
MICROSTATION