

by NIGEL DAVIES  
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 approved DGH

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# TRAINING SYLLABUS

## GENERATIVE COMPONENTS ADVANCED

no. of delegates	Up to 6 maximum.		
description	From 1 or 2 hours to half day sessions, these subjects are designed to compound the knowledge gained from GC training in convenient short lessons. The exact syllabus can be tailored to suit your needs.		
prerequisites	Have attended a GC workshop or have a good working knowledge of GC.		
objectives	<p>The following product areas are covered during this course, although a fully customised course can be developed based on your needs:</p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top;"> <ol style="list-style-type: none"> <li>1. CREATION OF COMPONENTS</li> <li>2. FABRICATION PLANNING               <ul style="list-style-type: none"> <li>• Unfolding your model for laser cutting</li> </ul> </li> <li>3. SCRIPTING FUNDAMENTALS               <ul style="list-style-type: none"> <li>• Steps to write a simple GC script</li> <li>• Creating models with GC scripts</li> </ul> </li> <li>4. CONTROL STRATEGIES               <ul style="list-style-type: none"> <li>• Law Curves</li> <li>• Custom control methods</li> </ul> </li> <li>5. GEOMETRY MANAGEMENT</li> <li>6. INTERACT WITH OTHER SOFTWARE</li> </ol> </td> <td style="vertical-align: top; padding-left: 20px;"> <ul style="list-style-type: none"> <li>• Interfacing with MicroStation</li> <li>• Interfacing with Excel</li> <li>• Creating data links</li> <li>• Environmental analysis output</li> </ul> <ol style="list-style-type: none"> <li>7. REPLICATION</li> <li>8. IN-BUILT FUNCTIONS AND IN-LINE CONDITIONALS               <ul style="list-style-type: none"> <li>• Writing formulas that inform the GC model</li> </ul> </li> <li>9. PROJECT SPECIFIC TRAINING               <ul style="list-style-type: none"> <li>• Dependent on custom needs of the participants, development of custom GC solutions for specific geometric needs.</li> </ul> </li> </ol> </td> </tr> </table>	<ol style="list-style-type: none"> <li>1. CREATION OF COMPONENTS</li> <li>2. FABRICATION PLANNING               <ul style="list-style-type: none"> <li>• Unfolding your model for laser cutting</li> </ul> </li> <li>3. SCRIPTING FUNDAMENTALS               <ul style="list-style-type: none"> <li>• Steps to write a simple GC script</li> <li>• Creating models with GC scripts</li> </ul> </li> <li>4. CONTROL STRATEGIES               <ul style="list-style-type: none"> <li>• Law Curves</li> <li>• Custom control methods</li> </ul> </li> <li>5. GEOMETRY MANAGEMENT</li> <li>6. INTERACT WITH OTHER SOFTWARE</li> </ol>	<ul style="list-style-type: none"> <li>• Interfacing with MicroStation</li> <li>• Interfacing with Excel</li> <li>• Creating data links</li> <li>• Environmental analysis output</li> </ul> <ol style="list-style-type: none"> <li>7. REPLICATION</li> <li>8. IN-BUILT FUNCTIONS AND IN-LINE CONDITIONALS               <ul style="list-style-type: none"> <li>• Writing formulas that inform the GC model</li> </ul> </li> <li>9. PROJECT SPECIFIC TRAINING               <ul style="list-style-type: none"> <li>• Dependent on custom needs of the participants, development of custom GC solutions for specific geometric needs.</li> </ul> </li> </ol>
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