Overview
The Autodesk® 3ds Max® Essentials provides a thorough introduction to the Autodesk 3ds Max software that will help new users make the most of this sophisticated application, as well as broaden the horizons of existing, self-taught users. The practices in this course are primarily geared towards real-world tasks encountered by users of the Autodesk 3ds Max software in the Architecture, Interior Design, and Civil Engineering industries. Advanced topics, such as character animation and rigging, are not covered in this course.

Objective of Course
Autodesk 3ds Max Design is a robust and powerful program that can be challenging to learn. This course provides thorough introduction to Autodesk 3ds Max Design that will help new users make the most of the sophisticated application, as well as broaden the horizons for existing, self-taught users.

Who Should Attend?
This guide is intended for the beginner, intermediate, and advanced Revit Architecture family user. Although any sketching and 2D or 3D modelling experience is helpful to understand how to work with families, before you begin to work with this guide, you should have a basic understanding of Revit Architecture.

While the UK protocol may not be the best suited protocol for the South African industry, the workflows are very similar to other leading BIM standards from around the globe. Therefore, the delegate will be equipped to recognise similarities to other BIM standards and adjust thereto with little effort.

Prerequisites
• It is recommended that delegates are Microsoft Windows proficient.
• Experience with drafting, design, or engineering principles.
• Proficient in 3d Modeling.

Software
• 3DS MAX

What’s Included?
• Course Notes & Stationery
• Computer and software for the duration of course
• Coffee, Tea & Delicious Lunch
• WiFi Access
• Autodesk Certified Instructor
• Internationally recognized Autodesk Authorized Training Certificate

* Pertains to in-class training only
** In-class training typically occurs over a 3 day period, customised training may differ
Course Content

SESSION - INTRODUCTION
- User Interface
- Preferences
- Setting the Project Folder
- Configure Paths
- Viewport Display

SESSION - AUTODESK 3DS MAX DESIGN CONFIGURATION
- Navigating and Configuring the Viewport

SESSION - OBJECT SELECTION METHODS
- Layer and Object Properties
- Layers Toolbar
- Layer Explorer
- Layer Properties
- Object Properties
- Display Panel

SESSION - LINKING FILES
- Linking vs Importing
- Editing Linked Data
- Merging 3ds Max Scene Files
- Linking AutoCAD, Revit, and Inventor Files
- File Link Settings

SESSION - REFERENCES
- External Reference

SESSION - BASIC MODELLING TECHNIQUES
- Model with Primitives
- Modifiers
- Transform Tools
- Edit using Sub-Objects
- Reference Coordinate Systems
- Cloning and Grouping

SESSION - MODELLING FROM 2D OBJECTS
- 2D sketching
- Lathe Modifier
- 2D Booleans
- Extrude Modifier
- Snaps
- Sweep Modifier

SESSION – MODIFIER MATERIALS
- Using Materials
- Material Types
- Standard Materials
- Multi-Object Materials
- Material Shaders
- Assigning Maps to Materials
- Opacity Mapping
- Bump Mapping
- Reflection Mapping
- Mental Ray Materials
- Material Explorer

SESSION - COORDINATES AND SCALE
- Mapping Coordinates
- Mapping Scale
- Spline Mapping
Course Content

SESSION - LIGHTING AND RENDERING
- Local vs Global Illumination
- Types of Standard Lighting
- Lighting parameters
- Shadow Types
- Photometric Light Objects
- Exposure Control
- Daytime Lighting

SESSION - Arnold Rendering
- Interior rendering
- Arnold Rendering Proxies

SESSION - Rendering and Cameras
- Rendering Options
- Single vs Double sided
- Cameras

SESSION - Animation
- Animation and time controls
- Walkthrough Animation
- Animation Output
Course Registration Form

Please complete, sign and return together with proof of payment to mgfxsales@mgfx.co.za or fax 086 694 9404

| Student Details |
|-----------------|------------------|
| Name            | Cell No          |
|                 | Email address    |
|                 | Dietary requirements |

Course Attending

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Micrographics SA (Pty) Ltd

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Terms & Conditions:

1. Pricing Excludes VAT.
2. Students are to be at the training venue by 08h00 in preparation for a 08h30 start time.
3. Bookings can only be considered confirmation on receipt of payment.
4. Bookings may be changed up to three weeks in advance of the course. A fee of 20% will be levied to cover charges.
5. For full day courses, we will supply you with the relevant training material. A desktop computer to use for the training (where applicable) tea/coffee and a full lunch for full day InClass training hosted at the training center only. Catering is not included for OnSite training and laptop is available for hire at an additional cost if required.
6. Cancellation or rescheduling requests must be in writing and reach us at least 5 (five) working days prior to the course commencement date.
7. Full course fees may be retained for no shows or requests within 5 working days prior to commencement.
8. Although we go to great lengths to ensure that all training proceed as scheduled, we reserve the right to cancel or postpone dates if we require to do so and undertake to inform clients in writing and telephonically of these changes.
9. We suggest clients wait until a week prior to course commencement that a course has been confirmed to go ahead as scheduled before booking flight and accommodation. We are NOT responsible for cost associated with cancellation of classes such as flight and accommodation for clients.
10. Full training fees will apply if the above condition is not complied with.

Signed & Accepted

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