Course Description and Outlines

3D Studio Max

Architectural Engineering

Course Description

With tools to help shape and define, 3ds Max is modeling software for architects, interior designers and artists looking to create a range of environments and detailed models.

Course Target

In this comprehensive course you'll learn to create and edit accurate free-form 3-D NURBS models. You'll learn most of Rhino's functionality, including the most advanced surfacing commands.

Course Duration

20 Sessions x 3 Hours per Session = 60 Total Hours

Attending the Course

- The course includes workshops and in-session applications for every set of points covered.
- Each trainee will have a chance to apply his new skills on actual project supervised by the instructor.
- The location is fully equipped with high end computers so you won't have to bring your laptop.

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Course Outlines

Introduction to Autodesk 3Ds Max

- Overview
- Visualization Workflow
- Program Interface

Autodesk 3Ds Max Configuration

- Viewport Navigation
- Viewport Configuration
- Object Selection Methods
- Units Setup
- Layer and Object Properties

Basic Modeling Techniques

- Modeling With Primitives
- Modifiers and Transforms
- Sub-Object Mode
- Reference Coordinate Systems
- Transform Centers
- Cloning and Grouping

Modeling From 2D Objects

- 3D Modeling From 2D Objects
- The Late Modifier
- 2D Boolean
- The Extrude Modifier
- Boolean Operations
- Using Snaps For Precision
- The Sweep Modifier
- Modeling Organic Shapes

Materials

- Introduction to Materials
- Understanding Material Maps
- Managing Materials
- V-Ray Materials Basics
- Assigning Maps to Materials
- Opacity, Bump and Reflection Mapping
- Advanced V-Ray Materials

Lighting and Rendering

- Photometric Light Objects
- Standard Lighting
- V-Ray Lighting
- IES Lights

Rendering and Camera

- Working With Large Scale Projects
- Proxies and X-Refs
- Standard Camera
- V-Ray Camera
- Rendering Options
- Rendering Presets
- Network Rendering
- Photoshop Post Production

Course outline is subjected to minor changes as per class and trainees requirements.

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