



CENTRAL PIEDMONT COMMUNITY COLLEGE

CORPORATE & CONTINUING EDUCATION

Course Number: CAD 7117
Course Title: Autodesk 3ds Max Design
Course Hours: 24

Last Revised On: 08/14/09

Description:

Autodesk 3ds Max Design is Autodesk's premier design visualization platform. It offers world-class state-of-the-art technology for creating photo-realistic "still" renderings and desktop animations. While it includes its own tools for 2D and 3D modeling, Autodesk 3ds Max Design can also work with geometry imported from many other applications.

Autodesk 3ds Max Design is a robust and powerful program. The Autodesk 3ds Max Design 2010 Fundamentals training guide provides a thorough introduction to Autodesk 3ds Max Design that will help new users make the most of this sophisticated application, as well as broaden the horizons of existing, self-taught users.

Objectives:

- Understand the basic functionality, features and principles behind 3ds Max
- Create and manipulate 3D data in 3ds Max
- Import data from other 3D applications
- Embellish scenes with the use of materials and maps
- Create adequate lighting for your environments
- Animate objects in the scene
- Render still pictures and animations to disk for later viewing

Content:

- I. Introduction to Autodesk 3ds Max Design
 - 1. Overview
 - 2. The Autodesk 3ds Max Design Interface
 - 3. Basic Functions
- II. Starting a Visualization Project
 - 1. Autodesk 3ds Max Design configuration
 - 2. Assembling project files
 - 3. 3D modeling from 2D objects
- III. Materials
 - 1. Introduction to materials
 - 2. Material types and parameters
 - 3. Mapping coordinates and scales



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IV. Introduction to 3ds Max Design Lighting

1. Autodesk 3ds Max design lighting overview
2. Standard and photometric lighting

V. Lighting and Rendering using mental ray

1. Scene preparation for mental ray
2. Rendering with mental ray

VI. Rendering and Animation

1. Rendering
2. Animation

Prerequisites:

AutoCAD and /or design experience, architects, engineers.

Method of Instruction:

Instructor led

Evaluation:

None