



CENTRAL PIEDMONT COMMUNITY COLLEGE

CORPORATE & CONTINUING EDUCATION

Course Number: CAD7116
Course Title: Autodesk VIZ
Course Hours: 24

Last Revised On: 01/29/2008

Description:

Autodesk VIZ is one of the most sophisticated and powerful visualization tools in its class. With VIZ, it's easier than ever to create your dream. Users learn to create photorealistic 3D renderings and animated 3D imagery. This course also deals applying materials and adding lighting for powerful effects.

Objectives:

- The goal of the course is to present students with the basic tools needed to work in VIZ, such as how to configure and render scenes, create and edit 3D geometry, understand and apply lighting and materials for realism, and create desktop animations.

Content:

1. Introduction to VIZ
 - Autodesk Viz Interface
 - Basic Functions
2. Starting a Visualization Project
 - Autodesk Viz Configuration
 - Assembling Project Files
 - 3D Modeling from 2D Objects
3. Materials
 - Introduction to Materials
 - Material Types and Parameters
 - Mapping Coordinates and Scale
4. Introduction to Autodesk Viz Lighting
 - Autodesk Viz Lighting Overview
 - Shared Lighting



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5. Lighting with Autodesk Viz Radiosity and Mental Ray
 - Scene Preparation for Radiosity
 - Applying Radiosity

6. Rendering and Animation
 - Camera Parameters
 - Animation Controls

Prerequisites:

- Student should have a general knowledge of 3D modeling concepts prior to attending this course.

Method of Instruction:

- Instructor led. Hands-on exercises.

Evaluation:

- No exam.