

Table of Contents

Maya 2008 Fundamentals

Module 1: User Interface

Section 1: Components of the User Interface

- Overview
- Main Menu Bar
- Status Line
- Shelves
- Tool Box
- Viewport Panels
- Panel Menus
- Channel Box
- Layer Editor
- Animation Time Slider & Frame Range Slider
- Command and Help Lines

Section 2: Navigating the User Interface

- Selecting Objects
- Transforming Objects
- Hotbox

Section 3: Establishing Hierarchies

- Hypergraph
- Outliner
- Parenting and Grouping
- Keyboard Shortcuts

Module 2: New Project Creation

Section 1: Project Setup

- Tutorial: Create a New Project
- Save Files

Section 2: Customizing Your Workspace

- Customize Preferences
- Customize Shelves

Section 3: Using Templates

- Template Considerations
- Tutorial: Create a Template
- Alternative Method: Using Maya's Image Plane

Module 3: Polygon Modeling

Section 1: Polygon Primitives

- Overview
- Altering Primitives
- Booleans

Section 2: Polygon Select and Mesh

- Polygon Selection
- Polygon Meshes
- Edit Polygon Mesh

Module 4: NURBS Modeling

Section 1: NURBS Primitives

- Overview
- Creating a NURBS Primitive

Section 2: NURBS Editing Tools

- Common Editing Tools
- Surfacing Tools
- Additional Editing Tools

Module 5: Lighting, Materials, and Shading

Section 1: Lighting

- Types of Lights
- Lighting Attributes
- Light Effects
- Shadows

Section 2: Materials and Shading

- Texture and Shading.
- Basic Surface Material Types
- Surface Material Attributes
- Procedural Maps.

Module 6: Introduction to Mental Ray in Maya

Section 1: Mental Ray Lighting

- Overview
- Global Illumination
- Final Gathering
- Global Illumination with Final Gather
- Caustic and Global Illumination
- Global Illumination, Caustics, and Final Gather
- Shadow and Detail Shadow Map Attributes

Module 7: UV Texture Editor

Section 1: UV Texture Editor

Overview

Manipulate UVs in the Texture Editor

Module 8: Cameras and Rendering

Section 1: Camera

Overview

Creating Cameras

Modifying Camera Attributes

Section 2: Rendering

Overview

Rendering Global Settings