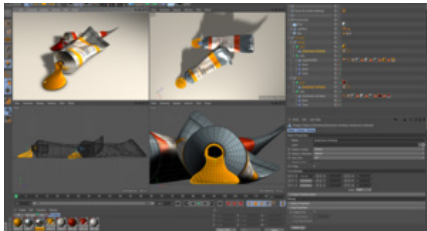




# Cinema 4D Advanced Course Outline





### 3D Artists toolkit

Smooth workflows bring creativity to life. That's why workflow is front and center in Cinema 4D 17. The revolutionary Take System will save precious time. The new Color Chooser does all those things you always wanted with color, as well as things you didn't even know you wanted! Integration with Sketchup and the Houdini Engine



### Sculpting and modelling

Intuitive and efficient organic modeling. Dozens of new features and improvements in Cinema 4D Release 17 make sculpting a true delight. Use Sculpt to PoseMorph, for example, to speed up character animation. Easily sculpt hard-surface models with Edge Detection. Release 17 makes sculpting in Cinema 4D easier than ever.

## Cinema 4D Advanced Course Outline

### Modelling forms

- • Deformers
- • Optimising meshes

### Working with materials

- • Body Paint 3D
- • Introduction to UV maps
- • How to use Body Paint 3D to create textures
- • Using Photoshop to enhance the texturing process.
- • Rendering
- • Lighting schemes
- • Improve quality
- • Enhance realism
- • Vastly reduce render times

### Advanced Animation

- • Animating everything
- • F-Curve control
- • MoGraph Objects
- • Tracers and MoSplines
- • Fracture
- • MoGraph Effectors
- • Creating simple animations
- • Audio animations
- • MoGraph Text animations

### Advanced Cinema 4D

- The interface with new features
- Customising your workspace
- Faster workflows and short cuts

### Advanced Modelling

- Manipulating parametric objects
- Modelling with splines
- Combining Deformers
- Modelling Polygons in more detail
- Accurate interior modelling
- Setting up walls, ceiling and floor
- Extruding Illustrator Files



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### Improved Rendering

Better variability and usability with the new Variation and Formula Shaders. Release 17 offers new and expanded shaders to increase usability and performance. With the new Material Override function you can easily override specific channels of selected materials to create clay or matte renders.



### Improved Animation

Greatly improved Motion Tracking features. Integrating 3D assets into video just got easier. The Motion Tracking feature in Cinema 4D has been enhanced by adding the ability to correct lens distortion and by adding an intuitive tool for quickly eliminating problem track points.

### Advanced Materials

- Using texture tags
- Texturing different areas of an objects
- Changing a materials mapping
- Using bump maps
- Using material filters
- Creating material layers

### Advanced Lighting

- Which lights to use when
- Shadow settings
- Multiple lighting set-up
- Light textures and projections
- Global Illumination

### Advanced Animation

- Animation for motion graphics
- Setting up animation cycles
- Creating animation paths
- Animating the camera
- Animating lights
- Animating deformers
- MoGraph
- MoText
- Using Cloners
- Fracture
- Using Effectors, delay and random
- Particles
- Creating particles
- Working with the physics
- Containing and bouncing particles
- Using MoGraph to randomise particles

### Advanced Rendering

- Speeding up Rendering
- Render regions
- Depth of Field renders
- Motion Blur Renders
- Rendering with Alpha Channels
- Importing into other applications eg. After Effects, Nuke and Photoshop