

■ Welcome to Video Editing course on DaVinci Resolve

- ◆ *We are pleased to welcome you to our comprehensive 1-month course on DaVinci Resolve, the industry-leading video editing and color grading software. Over the next four weeks, you will gain hands-on experience with the latest features and techniques to elevate your video production skills.*
- ◆ **Software Introduction:** Introducing DaVinci Resolve as a versatile tool for various post-production tasks in video editing.
- ◆ **Downloading and Installing:** Guidance on how to download and properly install DaVinci Resolve on your system.
- ◆ **Accessing the Software:** Providing a link within the course resources to directly access the DaVinci Resolve download page.

● System configuration.

- ◆ **Backup Settings:** Discussing the importance of regular backups and how to set up automatic backups in DaVinci Resolve. This includes understanding how to configure the backup location and how to restore projects from backups
- ◆ **CPU and GPU Requirements:** Explaining the minimum and recommended hardware specifications for DaVinci Resolve, including CPU and GPU requirements. This includes understanding how different CPU and GPU configurations impact performance.
- ◆ **Optimizing for Performance:** Teaching how to optimize the system for DaVinci Resolve, including how to allocate resources, close unnecessary applications, and use the correct GPU for the task at hand

● Understanding software and Project Setup

- ◆ **Understanding Project Manager:** The first panel in DaVinci Resolve is the project manager, crucial for creating and organizing projects.
- ◆ **Creating a New Project:** Students learn how to start a new project, with emphasis on naming it appropriately for easy identification
- ◆ **Exploring Workflow Pages:** DaVinci Resolve features seven pages, each designated for specific tasks:
- ◆ **Media Page:** For importing and organizing videos, stills, and audio.
- ◆ **Cut Page:** Ideal for quick, easy video editing and rough cuts.
- ◆ **Edit Page:** Used for thorough and refined editing.
- ◆ **Fusion Page:** Focuses on visual effects and motion graphics.
- ◆ **Color Page:** Where color correction, color grading, and other color-related tasks are performed.
- ◆ **Fairlight:** Designed for audio engineers for audio mixing.
- ◆ **Deliver Page:** The final step where the project is rendered according to specific settings for upload or distribution.

- **Understanding Shortcut keys.**

- ◆ DaVinci Resolve is a powerful video editing software that offers a wide range of keyboard shortcuts to enhance workflow efficiency and productivity. By mastering DaVinci Resolve shortcuts can significantly enhance your editing speed and overall experience. By understanding the different categories of shortcuts and how to customize them, you can tailor your workflow to your specific needs and preferences.

- **Working with Media Pool.**

- ◆ Importing clips on the media page.
- ◆ Working with smart bins.
- ◆ Creating a custom smart bins.
- ◆ Adding keywords to the clips.

- **Building timeline in the Edit page.**

- ◆ Trimming and Arranging Clips
- ◆ Understanding Timeline
- ◆ Final Rendered Video
- ◆ Setting In and Out Points
- ◆ Dual Display for Precise Editing
- ◆ Rough Cut Timeline
- ◆ Efficient Timeline Organization
- ◆ Assignment for Students
- ◆ Advanced Video Trimming Techniques
- ◆ Frame-by-Frame Video Navigation
- ◆ Video Playback Control in Editing
- ◆ Managing Gaps in Video Editing
- ◆ Real-Time Editing Demonstrations

- **The Fusion Interface.**

- ◆ Fusion Page: Focuses on visual effects and motion graphics.
- ◆ Uses of Fusion page.
- ◆ Workflow in Fusion.
- ◆ Panel Description in Fusion.
- ◆ Spline Editor.

- **Understanding Nodes.**

- ◆ Adding Nodes
- ◆ Connecting Nodes
- ◆ Adjusting Node Properties
- ◆ Node Tree: The node tree is the core of the Fusion Page.
- ◆ Media In and Media Out
- ◆ Node Types
- ◆ Masking Nodes
- ◆ 3D Nodes

- **15+ AI Tools**

- ◆ **IntelliTrack AI Point Tracker:** Optimizes tracking and stabilization in the color and Fusion pages, as well as audio panning in Fairlight.
- ◆ **Depth Map:** Analyzes scenes to separate foreground and background, allowing for targeted color grading and effects.
- ◆ **Face Refinement:** Enhances and sharpens facial features, allowing for subtle relighting and skin tone adjustments.
- ◆ **Magic Mask:** Automatically detects and isolates objects or subjects within a scene, enabling targeted color grading and effects.
- ◆ **Object Removal:** Removes unwanted objects from a scene, allowing for seamless integration of CGI elements.
- ◆ **Smart Reframe:** Automatically reframes shots to fit different aspect ratios or compositions.
- ◆ **Relight Virtual Lighting:** Allows for virtual lighting adjustments to enhance the mood and atmosphere of a scene.
- ◆ **Super Scale Video Upscaling:** Enhances video quality by upscaling it without losing detail.
- ◆ **Speed Warp:** Allows for precise control over speed and timing adjustments in a clip.
- ◆ **Scene Cut Detection:** Automatically detects scene cuts, making it easier to edit and organize footage.
- ◆ **Media Classification:** Classifies media based on content, making it easier to organize and manage large projects.
- ◆ **Voice Isolation:** Separates dialogue from background noise, improving audio quality.
- ◆ **Automatic Subtitles:** Generates subtitles from transcribed audio, making it easier to add captions to videos.
- ◆ **Dialogue Separator:** Separates dialogue, background, or ambience, allowing for precise audio control.
- ◆ **AI Fairlight FX:** Includes AI-powered audio effects for noise reduction and other audio enhancements.
- ◆ **UltraNR Noise Reduction:** Uses AI to reduce spatial noise in video, improving overall image quality.
- ◆ **Node Stack:** Manages complex grading workflows by allowing for the creation and organization of nodes.
- ◆ **Film Look Creator:** Allows users to create custom film looks using AI-driven color grading tools.
- ◆ **Defocus Background:** Isolates foreground objects by blurring the background, enhancing visual effects.

- **Fairlight Interface.**

- ◆ Fairlight is a powerful audio post-production tool integrated into DaVinci Resolve, offering advanced audio editing and mixing capabilities. It is designed to streamline your workflow, providing a natural extension of the software. With the help of Fairlight tab we will learn how to add basic audio adjustments to videos in this course.

- **Fusion Text, Text+ and Rich Text**

- ◆ Learning to apply Fusion texts and adjust parameters of the texts in DaVinci Resolve.
- ◆ Effects drawn from Resolve FX and Fusion FX
- ◆ Text Animations
- ◆ 3D Text and Objects

- **Transitions**
 - ◆ ***Understanding Basic Video and Audio Transitions:*** Learn the fundamentals of applying standard video and audio transitions in DaVinci Resolve.
 - ◆ ***Customizing Standard Transitions:*** Learn how to modify and personalize the existing transitions in the software.
 - ◆ ***Creating Custom Transitions with Animation:*** The tutorial teaches how to create unique transitions by animating properties within the inspector panel.
- **Advanced Video Retime speed effects**
 - ◆ DaVinci Resolve Speed Effects
 - ◆ Video Editing Speed Control
 - ◆ Variable Speed in Video Clips
 - ◆ Curve Editor in DaVinci Resolve
 - ◆ Time Manipulation in Video Editing
 - ◆ Creating Freeze Frames
 - ◆ Reversing Video Segments
- **Understanding Delivery Page.**
 - ◆ The Deliver page in DaVinci Resolve is where you can render and export your final audio mix. The Deliver page in DaVinci Resolve provides a comprehensive set of tools for rendering and exporting your final audio mix. We will go through everything to optimize your renders to achieve the best quality in the Deliver(Final) Page of DaVinci resolve.
- **Making Highlight - Practical**

OBJECTIVE

By the end of the course, students will have the knowledge and skills necessary to navigate DaVinci Resolve proficiently, edit videos effectively, and produce visually stunning and professionally polished content suitable for a variety of purposes and platforms. At Quick Academy, our one-month course on Da Vinci Resolve is designed to equip students with essential skills in video editing. By mastering the software's interfaces and basic editing functions, students will gain proficiency in creating professional-quality videos. Our hands-on approach ensures a thorough understanding, empowering students to meet the growing demand for skilled video editors in today's market. Join us to unleash your creative potential.