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# Final Cut Pro - Advanced

Smith College Technology Training  
Session 2 of 2

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## SESSION 2 ACTIVITIES

### TIMELINE EDITS

1.	Overwrite Edit	<p>Three methods:</p> <ul style="list-style-type: none"> <li>- Drag a clip to the Edit Overlay in the canvas.</li> <li>- Click edit button on the interface.</li> <li>- Drag clip directly into the Timeline. Release when cursor becomes a downward pointing arrow.</li> </ul>
2.	Insert Edit	<p>Three methods:</p> <ul style="list-style-type: none"> <li>- Drag a clip to the Edit Overlay in the canvas.</li> <li>- Click edit button on the interface.</li> <li>- Drag clip directly into the Timeline. Release when cursor becomes an arrow pointing right.</li> </ul> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p><b>Tip:</b> Snapping should be active when inserting clips.</p> </div>
3.	Edit Audio to Timeline	<p>Three methods:</p> <ul style="list-style-type: none"> <li>- Drag the hand icon in the Viewer to the Edit Overlay in the canvas.</li> <li>- Choose destination tracks in the Timeline and click on the edit button on the interface.</li> <li>- Drag the hand icon in the Viewer directly into the Timeline as an overwrite or an insert edit.</li> </ul>
4.	Trim Clips in Timeline	<ul style="list-style-type: none"> <li>- Click on the In or Out point of a clip and use the drag approach to shorten or trim.</li> <li>- The offset information indicates the trim amount and the new clip length.</li> </ul> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p><b>Tip:</b> Press Shift – Z to see the entire sequence in full view, or Option + and Option – to zoom in and out of the Timeline.</p> </div>
5.	Select and Move Clips	<ul style="list-style-type: none"> <li>- Select a clip by clicking on it in the Timeline, or use the Selection tool (a) and drag a marquee around it.</li> <li>- Select multiple clips by using the Select Track tool.</li> <li>- Clips can be moved left or right to reposition them in the Timeline.</li> <li>- Clips can be moved up or down to reposition them vertically onto another track.</li> <li>- A clip can also be moved by typing an offset amount directly in the Timeline.</li> </ul>

## OTHER TIMELINE EDITING OPTIONS

6.	Mark in the Timeline	<ul style="list-style-type: none"> <li>- Make sure the Timeline window is active. Make sure all clips are deselected in the Timeline.</li> <li>- Put the Playhead at the point where you want to edit in a clip. Press the letter 'i' for the In point.</li> <li>- Place the Playhead at the point where you want the clip to stop. Press the letter 'o' for the Out point.</li> <li>- In the Browser double-click the clip you want to edit to the Timeline. In the Viewer, put the playhead where you want the clip to begin. Press the letter 'i' for the In point.</li> <li>- In the Timeline, select the destination track(s) and click the Overwrite or Insert button in the Canvas.</li> </ul> <div style="border: 1px solid black; background-color: #fce4d6; padding: 5px; margin: 10px auto; width: fit-content;"> <p><b>Tip:</b> To clear In and Out points, click Ctrl – X.</p> </div>
7.	Replace Edit	<p>A Replace edit replaces any clip in the Timeline with a new source clip from the Viewer.</p> <ul style="list-style-type: none"> <li>- Set In Point for new source clip. Position the playhead at the In Point of this clip in the Viewer.</li> <li>- Position Timeline playhead at the beginning of the clip you want to replace.</li> <li>- Click the Replace button in the Canvas.</li> </ul> <div style="border: 1px solid black; background-color: #fce4d6; padding: 5px; margin: 10px auto; width: fit-content;"> <p>Save your work. CMD – S or File &gt; Save Project.</p> </div>
8.	Swap Edit	<p>The Swap edit allows you to change the position of clips in the timeline. Make sure the snapping feature is turned on in the Timeline (<b>n</b>) and the selection tool is active (<b>a</b>) in the tool palette.</p> <ul style="list-style-type: none"> <li>- Click and hold the first clip. Drag it to the beginning of the 2nd clip.</li> <li>- Don't release yet. Hold down <b>Opt</b> key.</li> <li>- Release mouse.</li> <li>- Release Opt key.</li> </ul>
9.	Deleting in the Timeline	<ul style="list-style-type: none"> <li>- <b>Lift Delete:</b> To delete a clip in the Timeline and leave a gap, select the clip and hit <b>Delete</b>.</li> <li>- <b>Ripple Delete:</b> To delete a clip and the gap at the same time, select the clip and hit <b>Shift-Delete</b>.</li> <li>- To delete just a portion of a clip set, set an In Point and an Out point, lock any other track you do not want to change, and hit Delete or Shift-Delete.</li> </ul>

10.	Create a Storyboard	<ul style="list-style-type: none"> <li>- Create a new bin for your Storyboard and change the bin view to <b>View as Medium Icons</b>.</li> <li>- Scrub through the footage in the bin, using the Scrub tool (<b>hh</b>).</li> <li>- Arrange the clips in rows that slant down from left to right.</li> <li>- Select all the clips in the bin (<b>Cmd-A</b>) and drag them down to the Timeline to visually see your storyboard.</li> </ul>
11.	Change a Thumbnail Image	<ul style="list-style-type: none"> <li>- Use the scrub tool (<b>hh</b>) to scrub through footage in the Browser.</li> <li>- When you see the frame you want to use as the Poster Frame, press and hold down the <b>Ctrl</b> key while still holding on to the frame with the scrub tool.</li> <li>- Release the Scrub tool, then release the <b>Ctrl</b> key.</li> </ul>

### SINGLE-SIDED TRIMMING

12.	Drag to Trim	<ul style="list-style-type: none"> <li>- Position your Timeline playhead at a point in a clip.</li> <li>- Click the current In or Out point of the clip to select it.</li> <li>- Move your mouse the edit point. When the pointer (<b>a</b>) changes to a resize tool, click and drag toward the playhead location.</li> </ul> <div style="border: 1px solid black; background-color: #fce4d6; padding: 5px; margin: 10px 0;"> <p><b>Tip:</b> Drag the clip you want to trim up to an empty video track; trim the edit points, then drag the clip back down to the active track.</p> </div>
13.	Ripple Edit	<ul style="list-style-type: none"> <li>- To drag an edit point and ripple the remaining edits in the sequence at the same time, use the Ripple tool (<b>rr</b>).</li> <li>- Select the Ripple tool (<b>rr</b>) and double-click on the edit point you wish to edit. The <b>Trim Edit</b> window appears.</li> <li>- Use the scrubber bar to find a new In or Out point. Click <b>I</b> or <b>O</b> to set that point.</li> <li>- The ripple edit adjusts the clips accordingly in the Timeline.</li> </ul>
14.	Razor Blade Tool	<ul style="list-style-type: none"> <li>- Park the playhead at the point where you want to separate unwanted material from material you want to use.</li> <li>- Select the razor blade tool (<b>b</b>) and move the cursor over the clip you want to cut.</li> <li>- When the cursor turns into a blade, click on the clip.</li> <li>- Change back to the selection tool (<b>a</b>), select the unwanted portion and hit <b>Delete</b> or Shift-Delete.</li> </ul> <div style="border: 1px solid black; background-color: #fce4d6; padding: 5px; margin: 10px 0;"> <p><b>Tip:</b> BB or Ctrl – V slices through all clips in all tracks at the position of the playhead in the Timeline.</p> </div>

15.	Extend an Edit	<ul style="list-style-type: none"> <li>- Select the In or Out Point of a clip.</li> <li>- Move your Timeline playhead to a point backward or forward of one of these points.</li> <li>- Hit the letter 'e' to snap the edit point to the playhead.</li> </ul>
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## TWO-SIDED TRIMMING

16.	Slip Tool	<p>The Slip tool (<b>s</b>) adjusts both the In and Out points of a single clip.</p> <ul style="list-style-type: none"> <li>- Select the slip tool (<b>s</b>) from the tool palette.</li> <li>- Select a clip in the Timeline.</li> <li>- Click and hold down the mouse key and slip the clip forward or backward.</li> </ul>
17.	Roll Tool	<p>The Roll tool (<b>r</b>) trims the Out point of one clip and the In point of the following clip simultaneously.</p> <ul style="list-style-type: none"> <li>- Select the roll tool from the tool palette.</li> <li>- Select an edit point between two clips.</li> <li>- Click and hold down the mouse key and roll the edit point.</li> </ul>
18.	Slide Tool	<ul style="list-style-type: none"> <li>- The Slide tool (<b>ss</b>) involves 3 slips in the Timeline. The Out Point of the first clip changes, the In and Out Point of the middle clip remains the same, and the In Point of the third clip changes.</li> <li>- Select the slide tool from the tool palette.</li> <li>- Position the cursor over the clip and slide it backward or forward to adjust your clips.</li> </ul>

## AUDIO EDITING

19.	View Waveform in Viewer	<ul style="list-style-type: none"> <li>- Double-click the clip in the Timeline; click on the Stereo or Mono tab in the Viewer.</li> </ul> <div style="border: 1px solid black; background-color: #ffe4c4; padding: 5px; margin-top: 10px;"> <p><b>Tip:</b> Adjusting the volume of a clip in the Viewer before the clip is edited to the Timeline will change the audio level of the master clip.</p> </div>
20.	Display Waveform in Timeline	<ul style="list-style-type: none"> <li>- Hold down <b>Cmd-Option-W</b> to display audio waveforms in the Timeline.</li> </ul>
21.	Adjust Audio in Viewer	<ul style="list-style-type: none"> <li>- Move the level slider to the left or right to decrease or increase volume. Or, move the pink overlay line up or down to raise or lower the volume of a clip.</li> </ul>
22.	Adjust Audio in Timeline	<ul style="list-style-type: none"> <li>- Toggle on the Clip Overlays control (<b>Opt-W</b>).</li> <li>- Move the pink overlay level line in the clip up or down to raise or lower the volume.</li> </ul>

23.	Animate Audio in Timeline	<ul style="list-style-type: none"> <li>- Toggle on the Clip Overlays control (<b>Opt-W</b>).</li> <li>- Choose the pen tool in the tool palette (<b>P</b>).</li> <li>- Click on the pink overlay level line to create keyframes.</li> <li>- Position the cursor (pen) over the individual keyframes; when it becomes a crosshair, drag the keyframe up or down to increase the volume of the clip at that point.</li> </ul>
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## ADDING FILTERS

24.	Apply Filters	<ul style="list-style-type: none"> <li>- In the Viewer, click on the Effects tab, open the Video Filters folder and drag the filter from the Viewer onto the video clip in the Timeline.</li> </ul>
25.	View Filter Parameters	<ul style="list-style-type: none"> <li>- Double-click the video clip in the Timeline. In the Viewer, click on the Filters tab.</li> </ul>
26.	Preview and Render Filters	<ul style="list-style-type: none"> <li>- Click <b>Opt-P</b> to preview.</li> </ul> <div style="border: 1px solid black; background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p><b>Tip:</b> Use the QuickView tool, Opt-8. The QT preview is stored in the computer's RAM. As it plays through the clip again, the clip plays in real time.</p> </div>
27.	Remove Filters	<ul style="list-style-type: none"> <li>- Double-click the video clip in the Timeline. In the Viewer, click on the Filters tab.</li> <li>- Click on the name bar of the filter you want to remove.</li> <li>- Press Delete.</li> </ul>
28.	Copy and Paste Filters	<ul style="list-style-type: none"> <li>- Copy the clip that has filters applied to it (<b>Cmd-C</b>).</li> <li>- Select the clip in the Timeline that you want to paste the filters to.</li> <li>- <b>Ctrl-click</b> on that clip, select <b>Paste Attributes</b>, and choose <b>Filters</b>.</li> </ul>
29.	Color Corrector 3-Way Filter	<ul style="list-style-type: none"> <li>- If the color balance of a clip is off, apply the 3-Way filter to white balance it.</li> <li>- Click on the Effects tab in the Browser. Click on <b>Video Filters &gt; Color Correction &gt; Color Corrector 3-Way</b>. Drag this effect down to your clip on the Timeline.</li> <li>- Position the Timeline playhead over the clip. Double-click on the clip and in the Viewer, click on the Color Corrector tab. Click on the <b>Visual</b> tab.</li> <li>- Click on the eyedropper under the Whites wheel and click on a white object in the clip displayed in the Canvas.</li> </ul>

## BUILDING A COMPOSITE IMAGE

30.	Change Opacity	<ul style="list-style-type: none"> <li>- Toggle on the Clip Overlays control (<b>Opt-W</b>).</li> <li>- Drag the black opacity line up or down to increase or decrease opacity.</li> </ul>
31.	Add a Luma Key	<ul style="list-style-type: none"> <li>- Drag a <b>Video Filter &gt; Key &gt; Luma Key</b> to the <b>red display cu</b> clip in the Timeline.</li> <li>- Double-click this clip to open it in the Viewer. Click on the Filters tab.</li> <li>- Click the <b>Key Mode</b> pop-up and select <b>Key Out Darker</b>.</li> <li>- Fine-tune the key by setting the <b>Threshold to -50</b> and the <b>Tolerance to 75</b>.</li> </ul>
32.	Superimpose a Shape	<ul style="list-style-type: none"> <li>- In the Viewer, click the <b>Generated Items</b> pop-up menu. Select <b>Shapes &gt; Circle</b>.</li> <li>- Drag the Circle clip to the Timeline and place it on a track above an existing clip.</li> <li>- Select the Circle clip and drag a <b>Luma Key Video Filter</b> (Browser Effects tab) onto it.</li> <li>- Double-click the Circle clip and in the Viewer, click on the Filters tab. Choose <b>Key Out Brighter</b>.</li> <li>- Click on the Controls tab to change the key's size and threshold.</li> </ul>
33.	Preview and Render Comps	<ul style="list-style-type: none"> <li>- To preview a composite image, the <b>Opt-P</b>.</li> <li>- Press Opt-8 to load it into RAM and preview it.</li> <li>- Render the clip (<b>Cmd-R</b>).</li> </ul>

## CREATING MOTION EFFECTS

34.	Change Zoom View	<ul style="list-style-type: none"> <li>- Select the zoom tool (<b>z</b>) in the tool palette and click on the Canvas window to zoom in and out of the viewable image area.</li> <li>- Or click the Zoom pop-up menu in the Canvas. The default is set to <b>Fit To Window</b>.</li> <li>- Use the Hand tool (<b>h</b>) to view different areas of an enlarged image.</li> </ul>
35.	Change View Options	<ul style="list-style-type: none"> <li>- Click the View pop-up menu in the Canvas.</li> <li>- Choose a Black, White or Checkerboard background to help fine tune keys or size and position an image.</li> <li>- Choose <b>Show Title Safe</b> to make sure your titles and action fall within broadcast safe areas.</li> <li>- Choose <b>Image+Wireframe</b> to help create motion effects.</li> </ul>

36.	Change Size and Position of Clip	<ul style="list-style-type: none"> <li>- Select clip in Timeline and position the playhead over it.</li> <li>- Go to the View Pop-up Window in the Canvas and select <b>Image+Wireframe</b>.</li> <li>- Use the selection tool (<b>a</b>) and drag one of the scale handles in the corners to resize the image.</li> <li>- To reposition the clip, move the cursor in the middle of the clip and drag it to its new position.</li> </ul>
37.	Rotate and Crop a Clip	<ul style="list-style-type: none"> <li>- With the clip still selected and visible in the Canvas, move the pointer over the outline of the wireframe until you see the Rotate tool appear. Drag as you wish.</li> <li>- To crop the clip, select the crop tool (<b>c</b>) and drag the wireframe lines in.</li> </ul>
38.	Distort an Image	<ul style="list-style-type: none"> <li>- With the clip still selected and visible in the Canvas, select the distort tool (<b>d</b>).</li> <li>- Drag the individual corners until you get the desired effect.</li> </ul>
39.	Copy and Paste Attributes	<ul style="list-style-type: none"> <li>- Select a clip in the Timeline that has the attributes you wish to paste to another clip.</li> <li>- Hit <b>Cmd-C</b> to copy.</li> <li>- Select the clip you want to paste these attributes to. <b>Ctrl-click</b> on this clip and choose Paste Attributes.</li> <li>- Check the attributes you wish to copy and click <b>OK</b>.</li> </ul>
40.	Create a Motion Path	<p>See Quicktime Tutorial "Add Motion to a Title" to learn how to set keyframes and create a motion path for a clip.</p> <p><a href="http://www.smith.edu/its/tls/fcp.htm">http://www.smith.edu/its/tls/fcp.htm</a></p>

**END OF SESSION TWO**