

Phone Filming - Video Lesson Outline

Unit Title	Video Lesson Title	Video Lesson Type(s)	Approximate Length	Talking Points & Key Concepts
Getting Started & Requirements	Introduction & Is My Camera Good Enough?	Animated Presentation	4 min.	- A showcase of my work, and what students will learn to make - What will this class cover?
Equipment And Software	Choosing A Camera App	Animated Presentation, Screencast		- Show many of the most useful apps for capturing videos on mobile devices - Highlight pros and cons between apps
	Picking Video Editing Software	Animated Presentation		- Show a variety of video editing software ranging from free to high-end - Highlight pros and cons between video editors
	Handy (Optional) Equipment	Animated Presentation		- Teach the student about different kinds of useful equipment for filming, ranging from inexpensive to high-end
Things You Should Know	Frame Rates	Animated Presentation, Screencast		- What is a frame rate? - Standard frame rates - Filming slo-mo and time-lapse - How to choose a frame rate - Converting frame rates
	Aspect Ratios And Resolution	Animated Presentation		- What is an aspect ratio? - Standard aspect ratios - Choosing an aspect ratio - Converting aspect ratios - What is resolution? - Standard resolutions - Choosing a resolution - Converting resolutions
Filming	Setting Up Your Camera: Frame Rates, Overlays, and	Animated Presentation, Physical Demo		- Configuring your app

	Aspect Ratios			
	Basic Composition	Animated Presentation, Physical Demo		- Choosing a subject - Picking an angle - Rules of thirds - Golden spiral - Balance
	Lighting	Animated Presentation, Physical Demo		- Lighting without expensive lights - Basic studio lighting - Using existing light - Filming outdoors Vs. indoors - Softening shadows - What are reflectors?
	Manual Stabilization	Animated Presentation, Physical Demo		- How to film less shaky video - Stable posture - Using your environment - Monopods and tripods
	Setting The Shutter Speed	Animated Presentation		- What is shutter speed? - How to choose a shutter speed - Adjusting the shutter speed for special effects
	Choosing the ISO	Animated Presentation		- What is ISO? - How to choose an ISO - Dangers of high ISOs - Relation of ISO to shutter speed
	All About Apertures (F-Stops)	Animated Presentation		- What is an aperture or f-stop? - How to choose an f-stop - Relation to focus, ISO, shutter speed, and depth-of-field
	Focal Length	Animated Presentation		- What is focal length? - How to change the focal length - How to choose a focal length
	Manual Focus And DoF (Depth-Of-Field)	Animated Presentation		- What is focus? - What is DoF? - Relation to focal length - Relation to apertures (f-stops) - Choosing focus - How to get ultra-sharp close-ups
Basic Post-Proces	Editing And Compiling	Animated Presentation,		- Keeping the viewer's attention - Transitions

sing	Clips	Screencast		- Arrangement and composition of a video
	Making Titles	Screencast		- Basic typography - Choosing a font, color, size, placement, and transitions
	Digital Stabilization	Animated Presentation, Screencast		- What is digital stabilization? - What do I need? - If my clip is already stable, should I still use digital stabilization? - Don't over-stabilize (The pros and cons of stabilized vs. shaky footage)
	Color Correction And Effects	Screencast		- Correcting brightness and contrast - Adjusting color temperature (white balance) - Filters - Vignetting
Advanced Post-Processing	About Your TV Or Monitor	Screencast		- Calibrating your TV or monitor to produce accurate color
	Advanced Digital Stabilization	Animated Presentation, Screencast		- What do I need? - Warp stabilizer and "locked" stabilization
	Repairing Rolling Shutter And "Wobble" Distortion	Animated Presentation, Screencast		- What is rolling shutter and "wobble" distortion? - Why does "wobble" and rolling shutter distortion occur? - What do I need to correct it? - How to correct it
	Repairing Lens Distortion And Vignetting	Animated Presentation, Screencast		- What is lens distortion and vignetting? - Why does lens distortion and vignetting occur? - Is it necessarily a bad thing? - What do I need to correct it? - How to correct it
	Repairing Chromatic	Animated Presentation,		- What is chromatic aberration? - Why does chromatic aberration

	Aberration	Screencast		occur? - Is it necessarily a bad thing? - What do I need to correct it? - How to correct it
	Advanced Color Grading	Screencast		- What is color grading? - How to color grade your video - How color grading affects the mood of your video - How much should I use color grading?
	Advanced Color Correction	Screencast		- Explanation of RGB, luma curves, gamma, levels, saturation, and how to adjust them
	Advanced Editing And Effects	Animated Presentation, Screencast		- Explanation of blend-modes - Using blend-modes and layered videos to produce unique effects
Closing	What To Do From Here...	Animated Presentation		- What to try - Where to show off your videos