KLH Adobe Photoshop 2022 Introduction Outline

1 Understanding How Digital Images Work

- RGB, CMYK, LAB, HSB Color Models
- Changing Image and Canvas Size
- Image Resolution
- Pixel Aspect Ratios
- Bits per Channel
- Alpha Channels

2 Getting to Know the Work Area

- Restoring Default Preferences
- Starting to Work in Adobe Photoshop
- Using the Tools
- Sampling a Color
- Working with Tools and Tool Properties
- Using the Properties Panel
- Undoing Actions in Photoshop
- Working with Panels and Panel Locations
- Using Default Workspaces
- Creating User Workspaces

3 Basic Photo Corrections

- Workflow for Retouching
- Resolution and Image Size
- Opening a File with Adobe Bridge
- Straightening and Cropping
- Basic Color Corrections
- Using the Healing Brushes
- Applying a Content-Aware Patch
- Repairing Areas with the Clone Stamp Tool
- Sharpening an Image

4 Working with Selections

- About Selecting and Selection Tools
- Using Cloud Documents
- Using the Magic Wand Tool
- Using the Quick Selection Tool
- Moving a Selected Area
- Using the Object Selection Tool
- Selecting with the Color Range Command
- Manipulating Selections
- Selecting with the Lasso Tools
- Rotating a Selection
- Selecting with the Magnetic Lasso Tool
- Selecting from a Center Point
- Resizing and Copying a Selection
- Cropping and Straightening Image

5 Layer Basics

- Layer Panel Basics
- Using the Layers Panel
- Rearranging Layers
- Applying Gradients to Layers
- Applying Layer Styles
- Adding Adjustment Layers

- Updating Layer Effects
- Adding Borders
- Flattening and Saving Files

6 Quick Fixes

- Using Snapshots
- Adjusting Facial Features with Liquify
- Blurring Backgrounds
- Creating a Panoramas
- Content Aware Scaling
- Correcting Image Distortion
- Extending Depth of Field
- Removing Objects Using Content-Aware Fill
- Adjusting Perspective in an Image

7 Masks and Channels

- Working with Masks and Channels
- Using the Select and Mask Workspace
- Using the Select Object Tool
- Creating a Quick Mask
- Manipulating an Image with Puppet Warp
- Creating Drop shadows via Masks
- Working with Masks and Channels

8 Typographic Design

- Type Basics and Formatting
- Using the Properties Panel for Formatting
- Using Adobe Fonts
- Creating a Clipping Mask from Type
- Creating Type on a Path
- Warping Point Type
- Designing paragraphs of Type
- Adding a Rounded Rectangle and Shapes
- Adding Vertical Text

9 Vector Drawing Techniques

- About Bitmap Images and Vector Graphics
- About Paths and the Pen Tool
- Drawing a Shape with the Pen Tool
- Drawing a Path Traced from a Photo
- Converting Selections to Layer Vector Masks
- Creating a Logo with Text
- Using Custom Shapes

10 Advanced Compositing

- Arranging Layers
- Using Smart Filters
- Painting on Layers
- Adding Backgrounds
- Using the History Panel to Undo Edits
- Upscaling a Low Resolution Image

11 Painting with the Mixer Brush

- About the Mixer Brush
- Selecting Brush Settings
- Mixing Colors
- Mixing Colors with a Photograph
- Painting and Mixing Colors with Brush Presets
- Working with Kyle Brushes

12 Exploring Nueral Filters

- Understanding Neural Filters
- Exploring the Neural Filters Workspace
- Featured, Beta, and Wait List Categories and Effects
- Combining Neural Filters

13 Saving your Files

- Understanding File types
- Right File Types for Print Output
- Online and Device File Formats

KLH Adobe Photoshop 2022 Photography Outline

1 Understanding How Digital Images Work

- RGB, CMYK, LAB, and HSB Color Modes,
- Image and Canvas Size
- Image Resolution
- Pixel Aspect Ratios
- Bits per Channel
- Alpha Channels

2 Adobe Bridge

- Working with Workspaces
- Viewing and Managing Files
- Metadata and Keywords
- Using Collections and Smart Collections
- Running Automated Scripts and Actions

3 Camera Raw Overview

- About Camera Raw Files
- Processing Files in Camera Raw
- Using Camera RAW as a Filter
- Smart Object Advantages
- Tone & Curves
- Detail
- HSL
- Grayscale Split Toning
- Lens Corrections
- Effects
- Camera Calibration Presets
- Previewing Before & After Options
- Editing Multiple Files
- Saving and Opening RAW Files

4 Camera RAW Tools

- White Balance Tool
- Color Sampler Tool
- Targeted Adjustment Tool
- Transform Tool
- Spot Removal Tool
- Red Eye Removal Tool
- Adjustment Brush Tool
- Gradient Filter Tool
- Radial Filter Tool

5 Lightroom vs Bridge

- Benefits of Using Lightroom
- Working with RAW Files in Bridge

6 HDR Images

- 16-bit & 32-bit Color spaces
- Creating High Dynamic Range Images
- Options for Combining Bracketed Shots

7 Selecting Techniques

- Using the Object Select Tool
- Selecting by Focus Area
- Selecting by Color
- Selecting by Channels
- Quick Mask Mode vs Pen Tool vs Selecting Tools
- Using the Select & Mask Workspace
- Using Raster and Vector Masks
- Using Adjustment Layers with Masks

8 Correcting Images

- Adding Depth of Field with the Blur Gallery
- Perspective, Warp, and Puppet Warp
- Transform & Liquify
- Content-Aware Scaling
- Content-Aware Fill Healing Tools

9 Smart Objects

- Creating and Editing Smart Objects
- Copying vs Placing
- Converting a Layer to a Smart Object
- Releasing Smart Objects to Layers
- Removing Transformations from Smart Objects
- Replacing the Contents of Smart Objects
- Exporting Smart Object Content
- Rasterizing Smart Objects

10 Layer Comps and History

- Creating and Editing Layer Comps
- Exporting Layer Comps
- Using Non-Linear History
- Creating and Using History States

11 Painting, Creating, and Using Brushes

- Selecting Brush Settings
- Creating a Custom Brush Preset
- The Mixer Brush
- Using the Filter Gallery Instead of a Brush
- Mixing Colors with a Photograph
- Working with Kyle Brushes

12 Actions and Scripts

- Understanding Actions
- Using Actions
- Creating Actions
- Exporting and Saving Actions
- Batch Processing Using Actions and Scripts

13 Producing and Printing Consistent Color

- About Color management
- Setting up Color-Management
- Proofing an Image on Screen
- Preparing Files for Print
- Converting an Image to CMYK
- Saving the Image as a CMYK EPS File
- Printing to InkJet Printers
- Printing a CMYK Image from Photoshop

KLH Adobe Photoshop 2022 Device and Video Outline

1 Understanding Digital Images

- RGB, CMYK, LAB, HSB Color Models
- Image and Canvas Size
- Image Resolution
- Pixel Aspect Ratios
- Bits per Channel
- Alpha Channels

2 Adobe Bridge

- Working with Adobe Bridge
- Workspace Options
- Viewing and Managing Files
- Metadata and Keywords
- Rating and Filtering Images
- Using Collections and Smart Collections
- Using Photoshop Tools
- Exploring Menu Options
- Running Actions and Scripts

3 Working with Camera Raw

- About Camera RAW Files
- Using Camera RAW as a Filter
- Camera RAW as a Filter Smart Object
- Processing Files in Camera Raw
- Applying Advanced Color Correction

4 Advanced Compositing

- Arranging Layers
- Using Smart Filters
- Painting a Layer
- Adding a Background Layer
- Using the History Panel to Undo tasks
- Upscaling a Low-Resolution Image

5 HDR Images

- 16-bit & 32-bit Color space
- Creating High Dynamic Range (HDR) Files
- Options for Combining Bracketed Shots

6 Using Animated Images

- Color Correcting Images
- Using Camera RAW as a Filter
- Correcting Image Distortion
- Adding Depth of Field
- Content-Aware scaling
- Content-Aware Fill
- Healing Tools
- Clone Stamp Tools

7 Editing Video

- Timeline Panel Basics
- Creating a New Video Project
- Resizing Video
- Animating Text
- Applying Effects
- Adding Transitions
- Adding Audio
- Muting Unwanted Audio
- Rendering Video
- Saving LUT's from Photoshop

8 Preparing Files for the Web

- Using Layer Groups to Create Button Graphics
- Using Smart Objects
- Preparing Images & Video with Camera RAW
- Exporting Assets
- Using the Generate Assets Option
- Automating a Multi Step task with Actions
- Designing with Artboards
- Using the Slice Tools
- Creating and Editing Layer Slices

9 Animation

- Creating Frame-based Animation
- Timeline-based Animation
- Keyframing Basics
- Animating a Layer
- Animating a Layer style
- Editing Keyframes
- Exporting Options
- Exporting Animated GIFs

10 Actions and Scripts

- Understanding Actions
- Using Actions
- Creating and Editing Actions
- Exporting and Importing Actions
- Batch Processing
- Using Scripts

11 Designing Graphics for Video

- Previewing Video Images in Photoshop
- Broadcast Legal Colors
- Action Safe & Title Safe guides
- Exporting LUT's
- Creating Files for Premiere and After Effects

KLH Adobe Photoshop 2022 Forensics Introduction Outline

1 Understanding Digital Images

- Working with and Understanding Pixels
- Image Size vs. Resolution
- Working in 16 Bit Mode Requirement
- Video vs. Stills
- Aspect Ratios
- About Color Modes

2 Photoshop Basics

- Restoring Preferences
- Enabling Photoshop History
- Photoshop Workspaces
- Resetting Workspaces
- Saving and Customizing Workspaces
- Tools, Menus, Panels, and the Option Bar
- Using the Properties Panel
- Navigating Images
- Essential Shortcuts
- Discovering Image Attributes
- The History Panel

3 Viewing and Using Metadata

- Metadata Basics
- Metadata in Bridge
- Using Metadata
- Creating Keywords and Tags

4 Selection Basics

- Selection Methods
- Selection Tool Properties
- Select Object Tool
- Using Select Color
- Moving and Transforming Selections
- Saving and Loading Selections

5 Using Masks

- Creating Layer Masks
- Hiding and Viewing Masks
- Using the Object Select Tool
- Refining Selections with Select and Mask
- Masking Techniques
- Creating Clipping Masks

6 Layer Basics

- Layer Basics
- The Layer, Paths, and Channels Panels
- The Layers Panel
- Layer Properties
- Selecting Layers
- Arranging Layers
- Adjustment Layers vs Local Adjustments
- Using Layers as Smart Objects
- Using Camera RAW as a Filter with Smart Objects
- Using Blending Modes

7 Non-Destructive Image Adjustment

- Using Smart Objects
- Adjustment Layers
- Levels
- Curves
- Camera as a Filter

8 Working with Noise and Sharpening

- Noise Reduction Methods
- Reduce Noise Filter
- Median Filter
- Unsharp Mask Filter Sharpening
- Photographic Sharpening
- Smart Sharpen Filter
- Using the Camera RAW as Smart Object Option

9 Color Isolation

- Separating Color Channels
- Channel Mixer
- Apply Image and Calculations Introduction

10 Measuring Objects

- The Importance of Measurements
- Annotating Images
- Measuring Objects
- Grouping Layers

11 Precise Image Sizing

- Viewing Images at the Proper Magnification
- Photographing for Accurate Measurement
- Calibrating Image Size
- Getting the Greatest Precision
- Sizing and Printing

12 Marking Images and Court Displays

- Inserting Notes
- Creating Court Displays
- Using Court Exhibits
- Including Text in an Image
- Adding Frames, Arrows, and Other Symbols
- Placing Images
- Using Templates
- Court Testimony

13 Best Practices

- Rules of Evidence
- Archive the Original Image
- Work Only on Copies
- Valid Forensic Procedures
- Repeatable Processes
- Saving in the Right Format
- Compression Considerations
- Tracking Changes
- Following Proper Processing
- Creating an Audit Trail

14 Automating Photoshop with Actions

- Actions Basics
- Creating Actions
- Saving and Importing Actions

KLH Adobe Photoshop 2022 Forensics Advanced Outline

1 Working in Adobe Bridge

- Adobe Bridge Workspace
- Navigating in Bridge
- Using Metadata
- Working with Camera RAW Files
- Using the Bridge Photoshop Tools
- Creating Contact Sheets
- Creating PDF Presentations

2 Analyzing Image Properties

- Resolution
- Image Size
- Color Modes
- Bit Depth
- Histograms

3 Blur

- Identify Causes of Blur
- Motion Blur
- Lens Blur
- Camera Blur
- Resolution and Blur
- Partially Blurred Images

4 Sharpening and Deconvolution

- What is Convolution?
- Using Non-Destructive Sharpening
- Sharpening and Deconvolution Methods
- Unsharp Mask Technique
- The Smart Sharpen Filter
- Photographic Sharpening
- Camera RAW as a Filter

5 Noise

- Image Noise Basics
- Luminance vs Color Noise
- The Reduce Noise Filter
- Using the Median Filter Technique
- Using Camera RAW as a Filter to Remove Noise

6 Image and Canvas Size

- Determining Image Size
- Image Size Algorithms
- Using the Proper Resizing Algorithms
- Cropping vs. Image Size
- Increasing Canvas Size

7 Precise Image Sizing

- Viewing Images at the Proper Magnification
- Photographing for Accurate Measurement
- Calibrating Image Size

8 Image Measurement

- The Measure Tool
- Setting the Measurement Scale
- Calibrating and Synchronizing Image Size
- Measuring Objects in Images
- Measuring in Perspective
- Working with the Measurement Log

9 Tonal Adjustments and Clarifying Images

- Using Adjustments vs Adjustment Layers
- Smart Objects for Image Adjustments
- Using Levels and Curves
- Using Hue and Saturation
- Using Camera RAW as a Filter with Smart Objects
- Using Blending Modes for Tonal Adjustments
- Isolation of Channels
- Correcting Lens Distortion
- HDR Toning
- Tonal Inversions

10 Compositing Techniques

- Using Blending Modes for Over & Under Exposure
- Photomerge
- Merge to HDR Pro
- Compositing Facial Features
- Facial Recognition Software
- Adjusting for Watermarks and Embedded Patterns

11 Using Color Modes and Channels to Extract Detail

- RGB, CMYK, Lab, and Grayscale Modes
- Exploring Channels
- Using Apply Image
- Extracting Detail with Calculations
- Using the Channel Mixer
- Using Camera RAW as a Filter Options

12 Multiple Image Techniques

- Image Subtraction
- Channel Subtraction
- Erasure Subtraction
- Focus Stacking
- High Dynamic Range Bracketing
- Creating Panoramas

13 Pattern Removal

- Fast Fourier Transform Basics
- FFT Filters and Usage
- Software Choices
- Channel Subtraction Followed by FFT

14 Video in Photoshop

- Pixels and Converting Video to Still Images
- Interlaced, Aspect Ratio, and Resolution Issues
- Correcting Aspect Ratio Issues
- Removing Interlacing
- Using Frame Averaging