Adobe Photoshop CS5 Production

- **Course Length**: 1 Day

Course Overview

Photoshop CS5: Production is the third and final title in this series. This course focuses on the specific information needed to create professional-looking images for high-end business printers and commercial print shops. In this course, students will learn project management basics and how to create layer comps. They will also learn how to optimize color management for print. They will explore various techniques for adjusting the quality of an image and making color adjustments. Students will learn how to use CYMK separations for prepress, customize ink options, and adjust CYMK curves. Students will also explore various options for using grayscale, spot-color, and duotones. Finally, they will learn how to optimize images for the Web, balancing quality and file size, and how to prepare images for use in video productions.

Prerequisites/Audience

Students should be familiar with the concepts presented in our Adobe Photoshop CS5 Advanced course prior to taking this course.

Course Outline

Course Introduction **2m**

Course Introduction

Unit 01 - Project Management **30m**

Topic A: Project Plans

Five Phases of Project Management

Outputs of Project Management Phases

Initiating and Planning Phase

Doomed-project Checklist

Discussing Project Management

Topic B: Layer Comps

Create a Layer Comp

The Layer Comps Panel

Demo - B-1: Creating Layer Comps

Demo - B-2: Exporting Layer Comps

Topic C: Design Principles

Discussing Design Principles

Unit 01 Review

Topic A: Color Management Basics

CMYK Printing Plates
Demo - A-1: Examining RGB and CMYK Gamuts
Demo - A-2: Examining Color Space Differences
Topic B: Color Space Conversion
Color Settings
Embedded Profile Mismatch
Demo - B-1: Opening Images with Mismatched Profiles
Topic C: Printing with Color Management
Proof Image Colors Onscreen
Demo - C-1: Proofing Colors Onscreen
Demo - C-2: Printing with a Color Management Profile
Demo - C-3: Proofing by Using a Simulated Device
Unit 02 Review

Unit 03: Photographic Techniques **47m**

Topic A: The Camera RAW Format
Open Raw Image as a Smart Object
Demo - A-1: Adjusting Settings for Camera Raw Images
Camera Raw Preferences
Demo - A-2: Applying Camera Raw Settings in Adobe Bridge
Topic B: Photographic Adjustments
Apply a Photo Filter
Demo - B-1: Applying Photo Filters
Match Image Colors
Match Color Dialog Box Settings
Demo - B-2: Matching Colors in Multiple Images
Topic C: Lens Adjustments
Simulate or Correct Lens Distortions
Lens Correction Tools
Demo - C-1: Correcting Lens Distortions
Demo - C-2: Simulating Depth-of-Field Effects
Demo - C-3: Counteracting Focus Blur
Topic D: Merging Images
Panorama from Merged Images
Create a Panorama
Demo - D-1: Creating a Panorama with Photomerge
Demo - D-2: Creating an HDR Image
HDR Toning
Demo - D-3: Viewing and Converting an HDR Image
Unit 03 Review

Unit 04: RGB Image Adjustments **49m**

Topic A: Color Correction Principles
Color Correction Principles
Demo - A-1: Determining the Necessary Adjustments

Topic B: Measuring Color

Demo - B-1: Setting Up the Workspace for Measuring Color

Color Samplers

Demo - B-2: Locating Shadows and Highlights

Topic C: Automatic Adjustments

Demo - C-1: Comparing Automatic Adjustment Methods

Target Point Tools

Demo - C-2: Setting Target Points with Eyedroppers

Correcting Shadow Problems

Demo - C-3: Correcting Shadow and Highlight Problems

Topic D: Curves Adjustments

RGB Curves Adjustments

Demo - D-1: Adjusting Contrast with Curves

Demo - D-2: Adjusting Specific Tones

RGB to CMY Correlation

Demo - D-3: Correcting Flesh Tones

Topic E: Hand-Retouching Color

Toning Tools

Demo - E-1: Using the Burn Tool to Darken Image Areas

Topic F: Color Replacement

Change a Hue

Demo - F-1: Replacing a Color Throughout an Image

Replace Colors

Demo - F-2: Replacing a Color by Painting

Unit 04 Review

Unit 05: CMYK Separations

Topic A: Prepress Color Settings

Discussing CMYK Conversion

Demo - A-2: Choosing RGB and CMYK Color Spaces for Prepress

Custom CMYK Settings

Demo - A-3: Choosing Custom CMYK Ink Options

GCR and UCR

Demo - A-4: Setting Separation Options

Demo - A-5: Separating an Image

Topic B: CMYK Image Adjustments

CMYK Curves

CMYK Curves Adjustments

Demo - B-1: Adjusting CMYK Curves

Topic C: Sharpening

Unsharp Mask Settings

Demo - C-1: Applying the Unsharp Mask Filter

Unit 05 Review

Topic A: Grayscale Conversion

Black & White Options

Demo - A-1: Creating a Grayscale Image
Demo - A-2: Converting an Image from RGB to Grayscale
Topic B: Spot-Color Images
Specify Spot Colors
Creating a Spot Channel
A Knockout in a Printing Plate
Misregistration of Printing Plates
Demo - B-1: Adding a Spot-Color Channel
Demo - B-2: Saving a DCS File
Topic C: Duotones
Create a Duotone
Demo - C-2: Adjusting Duotone Curves

Topic A: Web Image Size
Discussing Web Image Size
Downsample an Image
Demo - A-2: Down Sampling Images
The Trim Dialog Box
Demo - A-3: Trimming Images
A Zoomify Image in a Browser
Zoomify Export
Demo - A-4: Exporting an Image with Zoomify
Topic B: Optimizing Images for the Web
JPEG Optimization Settings
Demo - B-1: Optimizing with the JPEG Format
GIF Optimization Settings
Demo - B-2: Optimizing with the GIF Format
Topic C: Fine-Tuning Quality
Optimize to a Specific File Size
Demo - C-1: Optimizing to a Target File Size
Topic D: Creating Transparency
Transparency
Demo - D-1: Creating Transparent GIF Images
Demo - D-3: Simulating Partially Transparent Areas
Topic E: Preparing Images for Video
NTSC Pixel Aspect Ratio
Demo - E-1: Viewing Pixel Aspect Ratios
Title- and Action-safe Zones
Unit 07 Review
Course Closure

Total Duration: 4h 10m