



Adobe® Photoshop CS4 Photo Printing and Colour

Duration: 1 Day

Pre Requisites:

Baic understanding of Photoshop and Students must have good working knowledge of the operating system.

Colour Workflows

Colour Modes: RGB/ CMYK/ LAB
What is Colour management
The Colour management workflow

Colour by Numbers

Numerical values versus perceptual values
Hexadecimal Colour values
HTML Colour Values
Hybrid Workflows

Calibration and Profiling

Calibrate and Profile your Monitor
Gamma values
White Point Values
Adobe Gamma Control Panel

Selecting a Working Colour Space in Photoshop

Preparing images for the Web
Preparing images for Desktop Printing
Preparing images for Commercial Printing
Colour Settings

Open and Convert Images

Opting not to Colour manage your Mismatched Images
Discarding Profiles
Converting to a Particular Colour Space
Converting to working space
Converting Untagged Images Manually

Printing and Colour Management

Downloading and Installing ICC Profiles

Proof setup and proof Colours

Printing with Colour Management
Converting Profiles when printing

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RGB Colour Adjustments

Meet Colour Correction Objectives
Create as much contrast while remaining believable
maximize highlights without 'blowing them out'
maximize shadows without 'blocking' them
use the info palette to set Colour samples and saturation
Eliminate Colour casts
Adjust for 'memory Colours'
Adjust Saturation by using the Gamut Warning Command

Locate Shadows/ Midtones and Highlights

Use Photoshop's Image adjustments for Image correction:
The Histogram

Working with the Levels palette

Using The Sliders option
Determining And Correcting possible saturated/ Clipped areas
Using the Eyedroppers

Working with the Curves palette

Input and Output settings
Photographers grey card simulation
Making basic Curves Adjustments
Marking Points on Curves
Working with RGB vs CMYK images
Adjusting shadow areas independantly –reducing blocking
Using In Context editing
Eliminating Colour casts
Saving Presets

Creating CMYK Separations

Colour Settings for Prepress
Choosing a RGB Colour space for printing
Custom CMYK ink settings
Adjusting Dot Gain
Setting Separation Options
Setting Conversion Options

Calibrating a Proof

Calibrating by Number values
Adjusting Out of Gamut Colours
Colour Separating Images

Greyscale and Spot Colours

About Greyscale mode and conversions
Maximizing contrast when Converting from RGB to Greyscale/ Adjustments

Duotones

Creating a Duotone
Modifying the Duotone Curve

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Spot Colour Images

Creating a spot Colour channel
Converting RGB Colours to Spot Tints
Trapping Spot Colours
saving the DCS File Format

Appendix A: Commercial Printing Conditions

Conditions Affecting Print Output:
Paper Type
Press Type
Dot Gain
Ink Limits
Halftone Frequency
Trapping

Appendix B: Choosing Image resolution

Typical Printing Conditions and Appropriate Screens and Resolutions:
Image Type
Line art/ Black and White/ Greyscale Halftoned/ CMYK
Output Type – Halftone and Press Printer/ Internet/ Slide

Colour Management

Colour Managing The Suite through Adobe Bridge
Colour Managing various applications with the Colour Settings Dialog Box
Setting up Working Spaces
Setting up Colour Management Policies and Warnings
Understanding Colour Conversion Options

Colour Profiles

Understanding Colour Profiles
Understanding the critical nature of management, Profiles and Workflow
Proof Setup
Proofing an Image against various profiles
Simulating a Printer on screen
Assigning a Colour Profile
Converting a Colour Profile
Working with Imported Colour Profiles

Working with Custom CMYK Profile setup

Under Colour Removal
Grey Component Removal