

ALPHA FACTS

Alpha
COMPUTER CONSULTANTS

Create Your Future



Image Correction using PhotoShop

Image Correction using PhotoShop comprehensive course covers the techniques for correcting images for output to specific printing processes. Participants will be able to efficiently and productively technically correct images for deficiencies and reproduction requirements.

Course Prerequisites: Previous experience using applications on a PC or Macintosh is an essential prerequisite for this course. Experience in using Photoshop and completion of Photoshop Level 1 or equivalent knowledge is essential.

Duration: One day 9:00 am – 4:30 pm

Course Content

Reproduction Colour Theory

- Light and Colour
- The Visible Spectrum
- The Perception of Colour
- Surrounding Colour
- Colour Temperature
- Communicating Colour
- The Subtractive Primaries - Cyan, Magenta & Yellow
- RGB Colour Model
- Colour Gamut
- RGB Working Spaces
- CMYK Colour Model
- Colour Managing (correcting) CMYK Images
- Printing Standards
- Tone Compression
- Colour Management Systems
- Standardised Viewing Conditions
- Light Source
- Surround
- Metamerism

Printing Reproduction Standards

- Customising Reproduction for Print
- Print Industry Standards
- Litho Sheet-Fed (Commercial):
- Litho Web-Fed (Magazine):
- Newspaper SWOP:
- Ideal RGB Measurements:
- Sample RGB Measurements:

- SAMPLE CMYK Measurements for Litho Sheet-Fed (Commercial) Printing:
- SAMPLE CMYK Measurements for Litho Web-Fed (Magazine) Printing:
- SAMPLE CMYK Measurements for Newsprint SWOP Printing:

Image Reproduction Theory

- Introduction to Imaging
- Image Reproduction Considerations
- Standard Lighting Conditions for Image/Copy Evaluation
- Image Resolution
- Selecting End Points using PhotoShop
- Tone Reproduction
- Cast Correction
- Cast Correction using PhotoShop
- Colour Reproduction Concepts
- Grey Balance
- Why do CMY values differ?
- Example Grey Balance dot% figures for Litho Sheet-Fed:
- Colour Correction
- Black Separation (channel)
- UCR & GCR
- Under Colour Removal (UCR)
- Grey Component Replacement (GCR)

Colour Management

- Reproducing Colour
- Colour Management Basics
- Setting up Colour Management in Photoshop
- Monitor Calibration

- Monitor Calibration Workshop

Introducing Colour and Tonal Correction Techniques

- The Photoshop Colour Wheel
- The Colour Table
- Colour Balance
- Hue/Saturation
- The Histogram Palette
- Using Levels to adjust tonal range
- Using Levels to correct colour casts
- Using Levels when there are no obvious black or white points
- Apply an Auto correction



A Suggested Image Correction Strategy

- Preparing an RGB image for print
- Step 1: Check your Colour Settings, open an image and choose a colour working space
- Step 2: Size, Resolution and Cropping (pre CS6)
- Step 2: Size, Resolution and Cropping (CC-CS6)
- Step 3: Tonal Correction (correcting brightness & contrast)
- Step 4: Cast Correction
- Step 5: Colour Correction
- Save the RGB image
- Apply the Unsharp Mask filter
- Apply USM & Save the corrected CMYK image

Advanced Image Correction Techniques

- Developing an Image Correction Strategy



..Advanced Image Correction Techniques

- Looking at the Histogram
- Tonal Correction
- Selective Colour Correction
- The Adjustments panel and adjustment layers
- Applying a correction using the Adjustments panel (PRE-CS6)
- Applying a correction using the Adjustments panel (CC-CS6)
- The Shadow/Highlight command
- The Black & White adjustment
- Tone Correction using Levels & Curves
- Using the Threshold histogram
- Identifying the shadows and highlights
- Using Levels with the eyedropper tools
- Using the Eyedropper tools
- Using Curves
- Using the Curves graph
- Adjusting colour and tone with Curves
- Anchoring points using Curves
- Common tonal problems
- Cast Correction
- Colour Correction using Selective Colour
- Sharpening images using USM

Image Correction Workshop

- Step 1 Colour Settings
- Step 2 Open Image and respond to CM message
- Step 3 Interrogate Image Size & Resolution using the Crop Tool
- Step 4 Set Size and Resolution of Image
- Step 5 Crop Image
- Step 6 Place fixed Sample Points
- Step 7 Tone Gradation by adjusting End Points using Levels
- Step 8 Set Cast Correction by adjusting End Point channels independently using Levels
- Step 9 Image corrected for End Point Tone and Cast
- Step 10 Saving the Levels corrections
- Step 11 Apply a Levels Adjustment layer
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- Step 12 Tone correction to Midtones using Curves
- Step 13 Cast correction to Midtones using Curves
- Step 14 Selective Colour Correction
- Step 15 Save final corrected RGB image
- Step 16 Flatten image prior to converting to CMYK
- Step 17 Convert image to CMYK
- Step 18 Apply USM
- Step 19 View USM at Print Size
- Step 20 Save Final CMYK Magazine Image

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for course dates select your location

Book Now !

Alpha CC Courses include:

- Comprehensive course notes
- Certificate of Completion
- FREE access to eLearning resources
- After course support, unlimited HELP DESK via email (for public course only)

Colour Management Package

- Image Correction using Photoshop and Colour Management
- 2 days
- Select your preferred dates
- Book for 5% discount
- enter code **ColManpack**

Packages Available

Image Correction is offered as part of a package designed for users who want to attend multiple courses to achieve in depth knowledge.

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