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## Digital Photography with Photoshop

## Course Outline

**Duration:** 1 day

If you are a seasoned pro moving into digital photography from film or an advanced amateur we would suggest this Digital photography with Photoshop course.

### Course Description

This course gives photographers a thorough introduction to the theory and practice of digital photography. You will also get hands-on experience with Adobe Photoshop. The course will give you a good understanding of the techniques needed to achieve high quality images that will be output from digital files.

### Who is the course designed for?

Anyone who has a good working knowledge of photography, amateur or professional, and needs to learn more about the digital aspect of this discipline.

### What if I have problems after the course?

We offer a free 6 months email support service.

### Do I get notes?

You will be given a free book or notes at the end of the course.

### Pre-Requisites

You need to have a good working knowledge of the principles of traditional photography. You also need to own or have access to a digital camera to bring with you on the day.

If you do not own your own camera and are unable to borrow one for the day, we are able to provide you with details of a company that hires out cameras, lenses and equipment.

### On Completion

Upon successful completion of this course, you will be able to:

- Know your digital camera and its functions in detail
- Understand file types, file sizes and formats
- Have a good understanding of what RAW files can do for you
- Understand RGB / CMYK as well as bit-depths
- Have a basic knowledge of retouching images in Adobe Photoshop

## How digital differs from film

- Lens focal length
- Chips
- Image Quality

## Digital file formats

- Pixels
- Compression
- What settings to use
- Mega-pixels needed for particular image sizes

## File fundamentals

- What file sizes to expect
- System requirements
- File format differences
- Bitmap vs Vector

## RAW

- RAW images in Photoshop
- Correcting raw images

## Hardware

- Display and output
- Scanners, monitors and printers

## Colour Theory

- Additive and subtractive
- Perceptual colour
- Colour gamuts
- Device and dependent colour
- CMYK preview
- Bit-depth - 8 and 16 bit

## Retouching

- Cloning images
- Using patterns
- Smudging, blurring and sharpening
- Cropping and repairing scratches
- Healing tools
- Match colour tool

## Image adjustment

- Brightness and contrast
- Gamma
- Hue / Saturation
- Colour balance for shadows, highlights and mid-tones
- Levels and curves
- Converting to Black & White

## Output

- Re-sampling and printing
- Resizing and adjusting resolution
- File formats for export
- Colour profiles