

## Digital Repro Introduction – 2 days



### Course Objectives

This course covers necessary techniques for the graphic designer who wants to successfully output work for offset printing. Topics include image calibration, colours correction, understanding resolution, scanning, good and bad image formats, RGB vs. CMYK, trapping, colour management systems, outputting files with Adobe Acrobat, Pantone colours, and more. Also included are tips on getting quotes and how to clearly communicate with the print shop.

### Exercises

This two-day course will enable the confident creation of print-ready documents, and proven methods for working efficiently with offset print shops to avoid costly mistakes. This course is instructor led, involving the utilisation of examples and exercises in a workshop environment.

### The digital side of printing

- The 4-colour printing process
- Other commercial printing processes
- Screen angles and screen clash
- Scanning and resolution
- Bit depth
- RGB vs. CMYK
- Dot again
- Trapping
- Bleeds and tints
- Vector and bitmap gradients
- Calibrating images for print
- Creating and using clipping paths
- Different images formats
- JPEG compression problems
- Using images from the web
- Different software and its uses

### Fixing problem images

- Clone stamping
- Correction using filters
- Colour correction
- CMS settings

### Different colour formats

- Metallics and Pantone colours
- Duotones
- Line art
- 4-colour separations
- Separating a 5<sup>th</sup> colour
- Linking and embedding images

### Sending the job out

- A repro checklist
- Adobe Acrobat and Distiller
- Printing terminology
- Paper types and uses
- Knowing your market

### Working with a printer

- Project planning and workflow
- Briefing a designer or photographer
- Film-based vs. CTP printing
- Briefing a printer
- Getting the best prices
- Digital proofs
- Chromalins
- Wet proofs
- Laser proofs
- Folding, binding and trimming
- Tricks of the trade and trade conventions
- Printing date-sensitive material
- Over- and- under runs
- Ownership of materials

### New technology and its implications

- FM or Stochastic Screen printing
- Hexachrome (6-colour) offset printing