

# Advanced Fingerprint Capture: DCS5®



Upcoming Course Dates:

Contact us to book

Contact: [sales@fosterfreeman.com](mailto:sales@fosterfreeman.com)

**3-day practical advanced training course to enable delegates to get the most out of their DCS5.**

The DCS 5 is a comprehensive imaging system for the detection, capture and enhancement of almost any type of fingerprint on any surface or background to ensure that maximum detail is revealed.

During this hands-on advanced DCS5 course, we will deliver tailor made training to suit the needs of the individual customer to ensure they're utilising their DCS5 system to it's full effect for their commonly encountered evidence types.

Forensic imaging technology meets powerful multi-spectral illumination, in this complete solution fingerprint processing.

## Course Details

- Duration:** 3 days
- Level:** Advanced
- Products:** DCS5  
Crime-lite 8x4 MK2  
Crime-lite 8x4 MK4  
fpNatural 1 & 2
- Location:** foster+freeman  
Evesham, UK  
Customer Site
- Delegates:** 4 - 6
- Language:** English  
(translator optional)
- Assessment:** Written/Practical

## TRAINING / COURSE CONTENT

Led by our team of DCS experts, training will include a mix of guided practical sessions, interactive presentations, and group discussions across the field of forensic science.

Advanced training will be tailored to the needs of the individual customer to ensure they're utilising their DCS5 system to its full effect for their commonly encountered evidence types. This may include revisiting areas covered during introductory training in more detail or covering additional topics which may not be covered as part of an introductory training course.

On day 3 of the course, a brief assessment will demonstrate the progress of the group before returning to duty armed with powerful new knowledge and techniques.



\* Lunch and refreshments will be provided

### Example Content:

#### Advanced Lighting Techniques

- » Understanding cross polarization lighting techniques and its applications
- » Maximising the use of colour filters with digital enhancement
- » Surface lighting for samples such as; textured surfaces, papers, ninhydrin and adhesive tapes
- » Side lighting for curved surfaces
- » Back lighting for fingerprint lifts, clear plastic and glass plates

#### Advanced Image Enhancement Techniques

- » Removing regular repetitive background patterns using Fourier Transforms
- » Removing irregular background patterns
- » Digital Filters – how they work and how to maximise their use

#### Advanced Photography Techniques

- » How to maximise depth of field with the restrictions of lens diffraction with digital cameras
- » Achieving correct image exposure – ISO, aperture and shutter speed
- » Using the camera hand-held
- » Understanding digital noise and how to reduce it

#### Other

- » Understanding Image Authentication
- » Understanding file formats – jpg, jpg2000, TIFF, bmp RAW etc.
- » Court room presentation of digital imaging



foster+freeman offer a wide range of accredited and non-accredited short courses, specialist training and Continuing Professional Development (CPD) programmes delivered either in-house, online, or on-site internationally.