



RON SMITH & ASSOCIATES, INC.



Laboratory Photography for the Forensic Professional

Course Description

Taking examination quality photographs of both processed and unprocessed latent print or footwear impressions in the laboratory comes with its own unique set of challenges. Laboratory photographers must have a deep understanding of various types of lenses, filters, light sources and accessories in order to properly compose and illuminate evidence for imaging during the various stages of sequential processing. This class will teach students about camera equipment, camera functions, correct exposure, light balance, forensic light sources, and other important considerations for taking quality comparison photographs. Additionally, students will complete hands-on exercises using a variety of cutting-edge photography equipment.

Target Audience

This 40-hour class is designed for both new and experienced latent print examiners, laboratory technicians, forensic photographers, and other personnel who are responsible for photographing evidence and latent print impressions in a laboratory environment.

Must Bring to Class

Students should bring a notebook or laptop for notetaking. Dress is business casual, as there will be practical exercises. Photography equipment will be provided.

Course Topics Include:

- Introduction to fundamentals of photography
- Digital photography equipment
- Understanding camera controls and photography modes
- Exposure triangle, shutter speed, ISO, and aperture
- Lenses, focus and depth of field
- Image quality, resolution and image types
- Lighting techniques
- Light theory and use of forensic light sources
- Camera filters and full spectrum imaging (ultraviolet and infrared)
- Latent print photography and requirements for comparison quality photographs
- Overview of current forensic photography technology

Training Partner

foster+freeman
FORENSIC SCIENCE INNOVATION



Class Instructor:
Erik S. Malz, CLPE, CCSA



Course Logistics

When:

October 14-18, 2024

Class Times:

08:00 AM - 05:00 PM

Where:

Grand Prairie Public Safety
Training Complex
310 College Street
Grand Prairie, TX 75050

Tuition:

\$650.00

Local Contact

Amanda Page

Crime Scene Supervisor

Grand Prairie Police Department

972-237-8760

apage@gptx.org

Daily Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
08:00 – 09:00	Registration, course overview, and introductions	Lecture: Light techniques, oblique and bounce lighting	Manual Photography Practical Exercises	Copy Stand Photography Practical Exercises & the DCS 5	Copy Stand Photography Practical Exercises & the DCS 5
09:00 – 10:00	Lecture: Introduction to digital photography	Lecture: Shutter speed, long exposure, and painting with light			
10:00 – 11:00		Lighting techniques demonstration			
11:00 – 12:00					
Lunch	Lunch	Lunch	Lunch	Lunch	
13:00 – 14:00	Lecture: Manual photography and exposure control	Lecture: Light theory and alternate light sources	Copy Stand Photography Practical Exercises & the DCS 5	Copy Stand Photography Practical Exercises & the DCS 5	Copy Stand Practical Exercises
14:00 – 15:00		Lecture: Camera filters and full spectrum imaging			
15:00 – 16:00	Lecture: Lens function, focus, and depth of field	Lecture: Latent print and comparison quality photographs			Written Test
16:00 – 17:00					

IAI Certification Credit:

- Latent Print Examiner Certification/Recertification – Approved
- Forensic Photography Certification/Recertification – Approved
- Crime Scene Certification/Recertification – Approved
- Footwear Examiner Certification/Recertification - Approved

Helpful Lodging Information

Although we cannot endorse any particular hotel property, we have confirmed that the following lodging is within a reasonable commuting distance to the training site.

Courtyard by Marriott Dallas Grand Prairie

2850 S. State HWY 161

Grand Prairie, TX 75052

(972) 807-5500

Please Click Here for Reservations

Online Class Registration

Visit us at: www.RonSmithandAssociates.com and register today!