



Alaska Scientific Crime Detection Laboratory

Crime Scene Team

Instructors: Carly Wiehe (CCSI)
Jamie Nading (CCSI)
Martin Orlowicz
Melanie Wright

Crime Scene Processing (8 hours):

This is a practical based class with multiple hands on exercises throughout the day, indoor, outdoor, and using chemicals. Please dress accordingly. Bring the camera you would use for work if possible.

Prerequisite: *None*

Required Equipment: *Flashlight*

Recommended Equipment: *Camera, tripod, external flash*

Course Outline:

- Lab Overview & Common Mistakes – (30 Minutes)
- Basic Crime Scene Photography – (2 Hours)
 - Photo Identifier
 - Camera Settings
 - Crime Scene Photo Series
 - Exit Photographs
 - Packaging Evidence
 - Request for Laboratory Services
 - Special Considerations
- Biological Evidence – (1 Hour)
 - Probative Value and Contamination
 - Methods of Collection
 - Contact DNA
 - Stain Documentation and Collection
 - Trace Evidence
 - Known Buccal Swabs
 - CODIS Considerations and Limitations
- Footwear and Tire Impressions – (1.5 Hours)
 - Methods to Increasing Contrast
 - Methods of Collection (Dental Stone, Gel lifts, Eliminations)
 - Chemical Enhancement
 - Intelligence Submissions
- Latent Prints – (2 Hours)
 - Substrates Conducive to Latent print Recovery
 - Field Processing vs. Sending the Entire Item
 - Labeling and Photography
 - Dusting, Lifting, and Packaging
 - Known Fingerprints and Palm Prints
 - APSIN
- Vehicle Processing – (30 Minutes)
 - General Flow
 - Overall and Vehicle-Specific Photographs
 - Order of Evidence Processing
 - Special Considerations
 - Case Examples
- Test – (30 Minutes)

Contact the Training Coordinator Carly Wiehe at carly.wiehe@alaska.gov to register, if you have any questions, or would like to have a specific topic covered. Phone: 907-269-0960. Law Enforcement given registration priority.



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Advanced Crime Scene Processing (16 hours):

This is a practical based class with multiple hands on exercises throughout the day, indoor, outdoor, and using chemicals. Please dress accordingly. Bring the camera you would use for work if possible.

Prerequisite: *Crime Scene Processing Class (8 hours) Recommended*

Required Equipment: *DSLR camera (camera with manual mode), external flash, tripod, flashlight*

Course Outline:

- Advanced Photography – (3 Hours)
 - DSLR Settings in Manual Mode
 - Aperture/F-Stop
 - Shutter Speed
 - ISO
 - Exposure/Metering
 - Freezing Motion
 - Flash Photography
 - Advantages, Disadvantages, and Limitations
 - Bounce and Fill Flash
 - Manual Focus
- Spatter Documentation – (1 Hour)
 - Recognition of Stain Shapes for Documentation Purposes
 - Use of Scales and Proper Labeling
 - Hemastix
 - Purpose and Materials
 - Quality Control
 - Procedure
- Blood Chemical Enhancement – (30 Minutes)
 - Leuco Crystal Violet (LCV) and Amido Black
 - Purpose and Materials
 - Quality Control
 - Procedure
- Alternate Light Source (ALS) Documentation – (30 Minutes)
 - Limitations and False Positives
 - Camera Settings
- Trajectory Documentation using a Laser – (30 Minutes)
 - Camera Settings
 - Procedure
- Low Light Photography – (1 Hour)
 - Using a Flash
 - Painting with Light vs. Long Exposure
- Bluestar Chemical Enhancement – (1.5 Hour)
 - Purpose and Materials
 - Quality Control
 - Procedure and Special Photography/Camera Settings
- Day 2 – Mock Scenes – (8 Hours)

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