

RON SMITH AND ASSOCIATES, INC.

DIGITAL CRIME SCENE AND EVIDENCE PHOTOGRAPHY

Great Falls, MT | February 6-8, 2019



CLASS CONTACT

Detective Derek Mahlum
Great Falls Police Department
406-455-8525
drmahlum@greatfallsmt.net

CLASS LOCATION

Great Falls Police Department
112 1st Street South
Great Falls, MT 59401
Class Times: 08:00 a.m. to 05:00 p.m.

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.

Staybridge Suites
201 3rd Street NW
Great Falls, MT 59404
406-761-4903
[CLICK HERE FOR HOTEL RESERVATIONS](#)

TARGET AUDIENCE

This 3-day hands-on course is designed for crime scene investigators, police officers, evidence technicians and other personnel who have the responsibility to properly document crime scenes and physical evidence through photography. The students will be provided with a thorough understanding of how cameras function, adjustments for various lighting conditions, proper exposure and composition, what photos to take and improve their skills as photographers.

SPECIAL NOTES FOR STUDENTS

Students should wear appropriate business casual clothing for practical exercises conducted both inside and outdoors.

- * Students are asked to bring the following:
- * Digital Camera (digital SLR preferred) and instruction manual
- * Normal lens (if using an SLR) approximately 35-50mm or zoom lens capable of that range
- * Macro lens if available
- * Batteries for camera and flash
- * Digital media (2)
- * Off camera flash and instruction manual
- * Remote flash cord to connect flash to camera
- * Tripod (if available)
- * Flashlight

These items are not required to attend class but students are strongly encouraged to bring them in order to enhance their learning experience.

REGISTER AND PAY TUITION ONLINE

Visit www.RonSmithandAssociates.com/Training to select your class and register online today!

Class Instructor:
Scott Campbell, CSCSA

3 Day Course

24 Training Hours

\$400.00 Tuition

**This course is approved
for IAI certification and
recertification purposes**



**RS&A recommends
taking our classes in
order of our Sequential
Training Curriculum**

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COURSE BROCHURE**

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BEFORE



AFTER



BEFORE



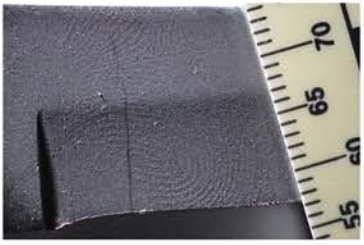
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24 Training Hours

\$400.00 Tuition

COURSE DESCRIPTION

This 3-day hands-on course is designed for crime scene investigators, police officers, evidence technicians and other personnel who have the responsibility to properly document crime scenes and physical evidence through photography. The students will be provided with a thorough understanding of how cameras function, adjustments for various lighting conditions, proper exposure and composition, what photos to take and improve their skills as photographers. Students with limited familiarity of photography along with those who have some experience taking photos but want to improve their skills and develop a better understanding of why and how to adjust camera settings will benefit. Attendees will be able to take the camera off the automatic settings and improve images needed for investigations and court.

Instruction includes:

- * Fundamentals of photography
- * Understanding of basic camera operations (shutter speeds, aperture, white balance, exposure adjustments, ISO, etc)
- * Automatic, program modes and manual adjustments
- * Suggested camera equipment
- * Crime scene and evidence photographic documentation principles
- * Scene safety issues
- * Lens selection
- * Flash techniques
- * Digital vs. Film: Pros & Cons
- * How digital works
- * Digital media (formats)
- * Archiving digital images
- * Meter usage and calculation of proper exposure
- * Two & three dimensional evidence photography (footwear & tire tracks)
- * Some advanced techniques including time exposure, painting with light, tips and tricks for better photos.
- * Hands-on exercises

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SHOULD BE ABLE TO PERFORM

Upon completion of the course, attendees will be able to:

- * Identify when evidence photography is needed and which photos to take.
- * Identify and list what photographic equipment is necessary for evidence photography.
- * Identify and adjust various controls on the camera and flash.
- * Describe proper archiving and documentation photographic evidence.
- * Describe and demonstrate evidence comparison photography and use of scales.
- * Demonstrate proper adjustments of ISO, shutter speed, aperture and exposure.
- * Identify and adjust image quality and file sizes needed for evidence photography.
- * Demonstrate various flash techniques and describe when to use them.
- * Demonstrate proper procedures for footwear, tire and impression evidence photography
- * Demonstrate use of the light meter to obtain proper exposure
- * Explain how camera settings effect exposure and composure
- * Problem solve when ideal lighting conditions don't exist.

MUST BRING TO CLASS

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DAILY SCHEDULE

	Day 1	Day 2	Day 3
Hour 1	Registration / Course Overview / Introductions	ISO Settings	Painting with Light
Hour 2	Introduction to Crime Scene Photography	Light Meter - Usage	Scales & Scene Markers
Hour 3	Camera Controls & Basic Mechanics	Histograms, Shooting Data, White Balance	Field of View, Composure, Rule of 3
Hour 4	Camera Controls continued	Introduction to Flash Photography	Accident Scenes, Injury Photos
Lunch	Lunch	Lunch	Lunch
Hour 5	Lens Functions, Digital Media	2 & 3 Dimensional Footwear & Tire Impression Photography	Archiving Images, Tips & Tricks
Hour 6	Image Quality & Size, Exposure Compensation		"Bluestar" (luminol) Photography
Hour 7	Shutter Speed	Flash, Glare & Window Glass	Macro/Close Up, Morgue or Death Scenes
Hour 8	Aperture (F-Stops)	Time Exposure	Surveillance, Closing Remarks, Certificates

HOST A CLASS

If you would like to host this course please review the following recommended facilities. (We have always been able to work out appropriate space with an agency.)

Classroom type space with ample room for lecture & PowerPoint presentation as well as photography exercises. The room will need to be darkened almost completely for the photography exercises.

Access to the training room by 7:00AM daily for set up.

PowerPoint projection system that will accept a composite video input (yellow connector).

Dry erase white board.

Ability to leave equipment and supplies in the training room overnight, if not, a locked storage area will be needed.

We also need a room that can be darkened completely and that is large enough for the students to set up in teams of 2 with a tripod on the floor. This area will have chemicals (luminol) applied to the floor area so a garage, storage area or firearms range with a hard floor surface will work well for clean up.

I.A.I. APPROVED TRAINING HOURS

This course provides 24 training hours and is approved for IAI Certification and re-certification.

REGISTER AND PAY TUITION ONLINE

Training registration and tuition fees can now be completed online in the new RS&A e-Store!

- Online registration is fast and easy!
- Pay class tuition using your credit card, request an invoice, or choose check by mail.

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