40-Hour Basic Bloodstain Pattern Analysis
Sievers Forensics
$775 per student

Hosting Agency: Osceola County Sheriff's Office
3901 Arthur J. Gallagher Boulevard
St. Cloud, FL 34771

Training Date:
- **June 24-28, 2024**

Course Overview:
The basic bloodstain pattern analysis course is designed for beginner investigators or for those who have not yet had bloodstain pattern analysis training or exposure to bloodstained crime scenes. Students will learn how to correctly identify bloodstains both based on appearance as well as pattern mechanism. The course contains theory and principles of bloodstain pattern analysis as well as practical activities, mock scenes, and evidence.
It is recommended that students have previously completed a basic crime scene processing workshop course or have experience in the field. Students will need to bring the following equipment, if possible: DSLR camera, tripod, macro lens, and external flash. Scales and manual calipers will be provided. Please bring a digital caliper if you wish.

Learning Objectives:
- Develop a working knowledge and understanding of the physical properties and characteristics of blood
- Utilize proper documentation and collection methods for bloodstains and bloodstain patterns.
- Employ proper mathematical principles for determining angle of impact, area of convergence, and area of origin.
- Understand and apply bloodstain pattern analysis findings to crime scenes and written reports

Course Breakdown:
Day 1
Students will learn the fundamentals and composition of blood, principles and theories, proper terminology, and bloodstain characteristics based on variables of height, angle variance, and surface. Students will have the opportunity to engage in hands-on practical exercises.

*This course has been approved for 40-hours of certification and re-certification training credit by both the IAI Crime Scene and Bloodstain Pattern Analysis board.
**This course is approved by the International Association for Bloodstain Pattern Analysts to satisfy the 40-hour training requirement for membership.

Day 2
Students will have the opportunity to build upon what they learned on day 1 by recognizing various bloodstains of spatter, passive, and altered characteristics. Students will go beyond examining visual characteristics and will begin measuring stains and engaging in basic bloodstain mathematical calculations.

Day 3
Students will be introduced to documentation methods of individual bloodstains as well as bloodstain patterns. Students will photograph stains using proper equipment and methods.

Day 4
Students will focus on the search, identification, and enhancement of bloodstains on a crime scene and items of evidence. Students will be exposed to various chemical enhancement techniques and begin analyzing and documenting bloodstains on fabrics and textiles. Students will also be tasked with photographing their results from chemical enhancement. Students will be introduced to the basics of bloodstain report writing and courtroom testimony.

Day 5
Students will review concepts discussed throughout the week and have the opportunity to apply what they have learned in a practical setting. Students will be provided a scene scenario with multiple bloodstains. Students will calculate area of convergence and origin, and fully document the bloodstained scene. They will then compile a rough draft of report for review.

Registration Information
To register, access the registration and enrollment form from sieversforensics.thinkific.com under the 'In-Person Forensic Training' tab. The form can be emailed directly to Heidi Sievers at sieversforensics@gmail.com. The form can also be mailed directly to:

Sievers Forensics, LLC
187 Dandelion Court
Spring Hill, FL 34606

Payments are due upon registration. On the registration and enrollment form, please select if payment will be made by a mailed check to the address above or via credit/debit card. If payment is preferred by credit/debit, a separate email will be sent with an invoice.

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ADA/ Special Accommodations
To provide our students with the best possible learning environment, please notify of any requested accommodations when registering. This can be done on the registration form or by contacting Heidi Sievers directly by email or phone (727-247-4075).

Instructor Profile: Heidi Sievers, PhD, CBPA

Heidi Sievers holds a PhD in Criminal Justice and a Master's Degree in Forensics and Criminal Justice. She is an International Association for Identification Certified Bloodstain Pattern Analyst (CBPA) and Certified Crime Scene Analyst (CCSA). She has completed over 1,000 hours of forensic-related training courses. She began as a forensic investigator and human remains detection canine handler in a law enforcement capacity before moving on as an independent bloodstain pattern analysis consultant, trainer, and college professor for the past four years. She has taught both undergraduate and graduate-level forensic coursework at four regionally accredited universities as well as served as program director and chair over forensic investigation and crime scene technology programs. She owns Sievers Forensics, which specializes in bloodstain pattern analysis training, case consultation, and research where she has assisted local and state law enforcement agencies, such as Sheriff's Offices, Medical Examiner's Office, Florida Highway Patrol, and military services in both case review and training courses. Her training courses in basic and advanced bloodstain pattern analysis, bloodstain documentation, and bloodstain enhancement and detection have all received IAI approval for both initial and recertification for the crime scene certifications (CCSI, CCSA, CSCSA) and bloodstain certification (CBPA). She is also an approved instructor with the International Association for Bloodstain Pattern Analysts. She serves as Chair of the Florida Division of International Association for Identification Bloodstain Pattern Analysis Board and is a voting member of the American Academy of Forensic Sciences Standards Board- Bloodstain Pattern Analysis Consensus Body.

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