

80 Hour Advanced Training Course

Bloodstain Pattern Analysis on Fabrics

Understand basic textile properties and how they affect bloodstain formation and the subsequent analysis of bloodstains on clothing



Course Instructors: Edmund (Ted) Silenieks

Omnium Forensics

Dr Mark Reynolds

Reynolds Forensic Consulting

Course Venue:

Washington County
Public Safety Training Center
18350 Public Safety Pl,
Hagerstown, MD.

Course Dates:

26th to 30th April, 2027

Course Fee:

USD \$1995



General Information

The 40-hour residential will be held 26th to 30th April, 2027 at the Washington County Public Safety Training Center in Hagerstown, Maryland. **It is recommended that registration is completed at least 4 weeks prior to allow time to complete pre-course preparatory work.** Subject to availability, late registrations will be accepted.

The course will be conducted Monday through Friday, 8:30 a.m. – 4:30 p.m. (Note: assessments will be conducted on Friday and the 4:30pm finish time is not flexible on that day, so please make travel arrangements accordingly).

It is recommended to stay at the course hotel, which is about a 20-minute drive from the training venue. See below for details.

The class size is limited to a maximum of 15 participants. Register early to ensure your seat!

Course Information

Participants will undertake 40 hours of structured lectures and practical exercises designed specifically to increase knowledge on textile properties and how they can influence bloodstain appearance and the bloodstain pattern analysis on clothing. The course will review the underpinning principles of BPA and discuss how the accepted principles for bloodstain interpretation on static non-porous surfaces do not apply to the interpretation of bloodstains on clothing and other textiles. When examining clothing, the practitioner must be mindful of influences such as the textile construction, absorbency, and fibre type, all of which may affect the final appearance of bloodstains.

Course Content

Prior to attending the 40-hour residential, participants will be expected to complete at least 20 hours of preparatory work including a brief written assignment and revise selected readings.

The 40-hour residential has a practical hands-on emphasis. The primary focus of the course is to develop those skills required for the interpretation of bloodstain patterns found on clothing items, including the use of microscopy to discriminate between spatter and transfer bloodstains. The practical component of the course will be supplemented with lectures and class discussions which will introduce the participants to basic textile properties, blood interaction with textiles, fluid dynamics of blood and three-dimensional examination and reconstruction techniques aimed at developing greater interpretative pattern recognition skills. Participants will work in small groups to complete a set of experiments, review and analyse experimental data and apply this knowledge to examination of mock casework clothing items. Participants will be encouraged to draw connections between the dynamics of pattern formation and the features of the resultant static bloodstain pattern on clothing.

Following the 40-hour residential, participants will be required to complete a report summarising their findings related to the examination of blood-stained clothing during practical exercises at the residential. The report must be submitted within eight weeks of completing the residential.

Course Assessment

Participants will be required to complete the following assessments:

1. **Written Assignment (competency based, i.e. pass / fail);**
2. **Written Exam (75% pass mark);**
3. **Practical Assignment (competency based, i.e. pass / fail).**

Upon successful completion of the course assessment, course certificates will be issued to the participants.

Meals and Accommodation

The cost of accommodation, meals and incidentals will be the responsibility of the participant. In regards to hotels, we recommend the Springhill Suites Hagerstown. If unavailable, then the Courtyard Hagerstown by Marriott, which is right next door. Both offer USA government rates and are within walking distance to restaurants, shops etc. at the Valley Mall. Staying at either will enable car-pooling (if required) to travel to the training venue which is about 20



minutes away. Each participant (or their agency representative) must book their room directly with the hotel. Be aware that the course finishes at 4:30pm on Friday 30th April, i.e. there is no early finish.

Where possible, carpooling will be arranged for travel to and from the training venue, so for those with a vehicle, we will ask for their assistance in travel arrangements.

Registration and Payment

Contact **Ted Silenieks** for registration details.

Once registered, an invoice with payment details will be issued. Credit Card or SWIFT international bank transfer are preferred methods of payment. Credit card payments will incur a 2.2% processing fee. Payment will guarantee your position on the course.

Course Contacts

For general enquiries regarding the accommodation and facilities, please contact:

Jessica Shaffer: Laboratory Director,
Western MD Regional Crime Laboratory

Email: jshaffer@hagerstownpd.org

Phone: 301-766-4115 (during business hours, Eastern Standard Time)

For information regarding registration and the course content, please contact the course instructors directly.

Ted Silenieks: Course Instructor

Email: ted.silenieks@omniumforensics.com

Phone: +61 439591181

Mark Reynolds: Course Instructor

Email: renoforensics1@gmail.com

Course Instructors:

Edmund (Ted) SILENIEKS
Omnium Forensics.

Ted Silenieks had close to 35 years of experience working at the Forensic Science SA in Adelaide, South Australia, where he served as the Biology Evidence Recovery Coordinator. He is widely regarded as one of Australia's leading evidence recovery and bloodstain pattern analysis experts, and his expertise in the analysis and classification of bloodstains on clothing is internationally renowned. Ted has coordinated and / or supervised many research projects relating to detection and interpretation of bloodstains on textiles, resulting in over forty principal or co-authored presentations at national and international Forensic Symposiums. He became actively involved in BPA in 2004, is a former member of the Australian Bloodstain Pattern Analysis Scientific Working Group, a past Vice President for the Oceanic – Asean Region of the IABPA and a past affiliate member of the OSAC BPA Subcommittee. After recognising the need for dedicated training required for the analysis and classification of bloodstains on clothing, Ted developed an Advanced Training Course: Bloodstain Pattern Analysis on Fabrics, which, in conjunction with Mark Reynolds, has been successfully delivered in Australia, USA, Canada, England, The Netherlands, Italy, South Africa, and Singapore. The Advanced Training Course: Bloodstain Pattern Analysis on Fabrics is regarded by many international law enforcement agencies as essential training for those interpreting and classifying bloodstains on clothing, and remains the leading training course available in this complex area of bloodstain pattern analysis.



- **Dr Mark REYNOLDS APM**

- Reynolds Forensic Consulting.***

In 2017, after almost 30 years of service, Dr Reynolds resigned from the WA Police as a globally respected expert in crime scene examination and reconstruction. As a private consultant, he now provides advice on complex forensic investigations and delivers advanced level training in crime event reconstruction, experimental design, hypothesis testing, expert reporting and the use of logic, reasoning and bias in forensic decision making. Between 2009 and 2017, Dr Reynolds was the WAP Forensic Science Consultant and Manager, Quality Assurance. His principal role was to ensure that forensic results from investigations conducted by WAP were based on 'Good Science'. As an adjunct Associate Professor and Senior Lecturer, he also taught into the forensic science graduate programs of the University of Western Australia and Murdoch University supervising research at Masters and PHD levels. Dr Reynolds has investigated more than 500 cases of homicide and other deaths with suspicious circumstances. He has provided forensic training or casework support in the USA, Canada, East Timor, Italy, the Netherlands, South Africa, South Korea, New Zealand, Brunei, Singapore, and all states of Australia. His scientific and academic qualifications are supported by extensive experience in practical policing and criminal investigations. Between 1988 and 2009, as a sworn officer with the WAP, his duties included VIP Protection, Counter Terrorist Intelligence, Public Order Control, City and Rural Uniformed Patrol and Police Prosecuting. In 2000, he deployed to East Timor with the United Nations conducting investigations into war crimes committed by the Indonesian military and sponsored militia groups. Upon his return from East Timor, he joined WAP Forensic Field Operations ultimately serving as the Case File Supervisor (Homicide).