BLOODSTAIN PATTERN ANALYSIS COURSES (2023).

BASIC BLOODSTAIN ANALYSIS COURSE (40 HOURS -5 DAYS)

- ❖ 6-10 March 2023
- ❖ 11-15 September 2023

ADVANCED BLOODSTAIN ANALYSIS COURSE (40 HOURS -5 DAYS)

- ❖ 3-7 April 2023
- ❖ 2-6 October 2023

VISUALIZATION OF LATENT BLOODSTAIN COURSE (40 HOURS - 5 DAYS)

- ❖ 8-12 May 2023
- ❖ 30 October - 3 November 2023

BLOODSTAIN ANALYSIS ON TEXTILE COURSE (40 HOURS - 5 DAYS)

- ❖ 26-30 June 2023
- ❖ 11-15 December 2023

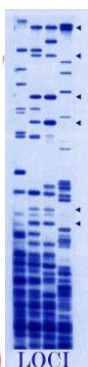## *UNIQUE COURSES IN A FANTASTIC FACILITY*

50% THEORETICAL - 50% HANDS ON !!

OVER 500 M² TRAINING SPACE.

MULTIPLE INVESTIGATION AND BLOODSTAIN ROOMS.

SPECIAL ROOMS FOR CHEMICAL BLOOD SEARCH AND ENHANCE TECHNIQUES.

Bloodstain pattern analysis (BPA) is defined as the examination of the shapes, size, locations and distribution patterns of bloodstains, in order to provide an objective analysis of the physical events that gave rise to their origin by application of concepts of biology, biochemistry, physics and mathematics. Not only can these concepts help to define and reconstruct events associated in a bloodletting event but also may provide investigative leads/information. They can lead to new information, as well as supportive or non-supportive evidence for victims, suspect's and witness statements. Besides this they give investors a better understanding in collection of relevant blood samples for DNA analysis.

After giving several years of training at different facilities outside The Netherlands to; investigators, crime scene technicians, forensic scientists, attorneys and medico-legal investigators from Norway, Germany, England, U.S.A, Canada, France, The Netherlands, Estonia, Spain, Italy, Swiss and Denmark we started giving bloodstain courses at our new forensic facility in The Netherlands (September 2011). This new Institute includes several training facilities such as laboratories, mock rooms for BPA, chemical enhancement and bloodstain rooms.

Our Staff Trainers, Martin Eversdijk and René Gelderman represent more than 50 years working experience in law enforcement, of which 40 years forensic working experience as; crime scene investigator, crime scene coordinator and staff trainer/examiner at the National Police Academy. Martin and René have contributed numerous new forensic techniques to the field: New chemical blood enhancement techniques as Sulva dyes and Titanium dioxide dye, spraying luminol with the use of special compressors, air breathable swabs, collection of blood from a gun barrel etc.

With this extensive background in Forensics and our unique Institute we feel our BPA training represents the most comprehensive and updated study plan for Bloodstain Pattern Analysis offered in Europe. All our courses are divided into both lecture and laboratory sessions. The theoretical and fundamental principles related to Bloodstain Pattern Analysis or the chemical searching and enhancement techniques for latent bloodstains will be illustrated in the various lectures segments. These principles will then be reinforced in the laboratory segments where participants will have an opportunity to utilize the methods (e.g., experiments, simulated field situations) discussed in lecture.

Therefore, these courses will provide the participants first-hand knowledge of how and when to employ Bloodstain Pattern Analysis and/or searching and enhancement techniques to locate and visualize latent bloodstains. Participants will acquire first-hand knowledge of the benefits as well as the limitations of Bloodstain Pattern Analysis our commonly utilized chemical searching and enhancement techniques.

Martin Eversdijk and René Gelderman.

Basic Bloodstain Pattern Analysis Course (40 Hours)

Our 5 day (40 hours) Basic Bloodstain Pattern Analysis Course is designed to give the participants a basic foundation on Bloodstain Pattern Analysis. The focus of this intensive course is to provide the participants knowledge of Bloodstain Pattern Analysis through the application of concepts of biology, biochemistry, physics and mathematics to objectively define and reconstruct events associated in a bloodletting event. This training will give participants a unique opportunity to acquire first-hand knowledge of the bloodstain pattern analysis through lectures of theory, demonstrations and hand-on practical laboratory exercises.

This course is designed for all levels of law enforcement personnel, especially those who search for blood at scenes as well as on articles of physical evidence, investigators, crime scene personnel, attorneys, prosecutors, judges, medico legal investigators and participants studying forensics science and/or criminal justice.

This 40 hour basic course follows the recommended training guideline as set forth by the Scientific Working Group for Bloodstain Pattern Analysis (SWGSTAIN) and the International Association of Bloodstain Pattern Analysis (IABPA).

Training topics to be covered:

- History of Bloodstain Pattern Analysis.
- Characteristics of Liquid Blood.
- Flight characteristics of blood and their patterns.
- Target Surface Considerations.
- Impact Angle Determination.
- Calculating the Area of Origin.
- Limitations of bloodstain pattern analysis.
- Sampling techniques and presumptive testing.
- Interpretation with the use of the SWGSTAIN taxonomy.
- Proper documentation and photographing of bloodstains.
- Approaching a bloodstain pattern case.
- Using bloodstain patterns to reconstruct crime scenes.
- Case reviews.
- Health and Safety Issues.
- Bloodstain analysis equipment.

Pre-Requisites:

None.

What to bring to the course?

Participants are advised to bring seasonally appropriate clothing.

We also encourage to bring a digital camera which could be very helpful if you wish to document any of your experiments.

Assessment Standards/ Certification:

A certificate will be issued for successful completion of a written assessment of the course requirements.

Materials/Supplies Loci Forensics B.V. will provide:

- Laboratory and Reference Manual.
- All lab supplies.
- Certificate of Completion.
- Water, coffee, tea, orange juice and milk.
- Lunch.

Course duration, date, location & fee:

The length of the course is 40 hours of instruction. The course will be conducted Monday through Friday, 8:30 a.m. – 5:00 p.m. at Loci Forensics Training Institute, Nieuw-Vennep, the Netherlands.

The course will be held on Monday 6th of March 2023 - Friday 10th of March 2023 or
11th of September 2023 - Friday 15th of September 2023.

This course has a price of € 1140.00 euro (exclusive 21% VAT) per participant.
Each participant is responsible for making his or her own hotel reservation (follow this link: www.booking.com).

Upon receipt of your registration and payment you will receive a confirmation e-mail. In the event of insufficient registrations, this course will be cancelled.

Note: This course utilizes animal blood for experimentation.

Advanced Bloodstain Pattern Analysis (40 Hours)

This 5 days (40 hours) course is designed for those who wish to become an expert in bloodstain pattern analysis and have satisfactorily completed a basic 40 hour bloodstain pattern course. It's the next step in order to conduct a bloodletting crime scene analysis. During this course the participant will approach relatively simple to complex complete crime scenes including clothing. A format for reporting is learned as well as the requirements on courtroom testimony and expert evidence. This course will enhance basic skills and develop the novice to a core competency level required for independent analysis and will enhance the analyst skill in preparation of acceptance as an expert in the court room

The course of instruction is designed for investigators, crime scene technicians, forensic scientists, attorneys and medico-legal investigators. There is no minimum educational standard for those who decide to attend this course although we recommend at least 1 year field experience after successful completion of a basic 40-hour course.

Training Topics to be covered:

- Review of Basic Bloodstain Pattern course.
- Analysis of Bloodstain Patterns on Clothing.
- Analyse (complex) bloodstain pattern in several mock scenes.
- Clothing and drying times of blood.
- Sequencing.
- Problem solving by review of actual bloodletting cases.
- Utilizing Bloodstain Patterns to reconstruct past events.
- Approaching a Bloodstain Pattern case.
- Report writing.
- Designing Case Related Bloodstain Pattern Experiments (scientific method).
- Limitations of bloodstain pattern analysis.
- Apply a scientific method to questioned stains.
- Expert Evidence.

Pre-Requisites:

Successful completion of a Basic Bloodstain Pattern Analysis course meeting the requirements of the IABPA basic course.

Class:

Maximum of 12 participants.

What to bring to the course?

Participants are advised to bring seasonally appropriate clothing.

We also encourage to bring a digital camera which could be very helpful if you wish to document any of your experiments.

Assessment Standards/ Certification:

A certificate will be issued for successful completion of a written assessment of the course requirements.

Course duration, date, location & fee:

The length of the course is 40 hours of instruction. The course will be conducted Monday through Friday, 8:30 a.m. – 5:00 p.m. at Loci Forensics Training Institute, Nieuw-Vennep, the Netherlands.

The course will be held on Monday 3rd of April 2023 - Friday the 7th of April 2023 or
Monday 2nd of October 2023 - Friday the 6th of October 2023.

This course has a price of € 1140,00 (exclusive 21% VAT) per participant.
Each participant is responsible for making his or her own hotel reservation (follow this link: www.booking.com).

Upon receipt of your registration and payment you will receive a confirmation e-mail. In the event of insufficient registrations, this course will be cancelled.

Note: This course utilizes animal blood for experimentation.

Visualization Of Latent Bloodstain Course (40 hours)

This course will provide the participants with first-hand knowledge of how and when to employ searching and enhancement techniques to visualize latent bloodstains. Students will acquire first-hand knowledge of the benefits as well as the limitations of commonly utilized chemical searching and enhancement techniques.

The course is divided into both lecture and laboratory sessions. The theoretical and fundamental principles related to the chemical searching and enhancement techniques for latent bloodstains will be illustrated in the lecture segments. These principles will then be reinforced in the laboratory segments where students will have an opportunity to utilize the methods discussed in lecture.

Upon completion of this course, the participants will have acquired a basic understanding of how and when to utilize blood searching and enhancing chemicals to assist in their investigation where latent blood is suspected.

This course is recommended for investigators, crime scene technicians, and forensic scientists who search for blood at crime scenes as well as on articles of physical evidence

Training Topics to be covered:

- Searching vs. Enhancing Techniques.
- Blood Searching Techniques:
    - Luminol.
    - "NEW" Lumiscene.
    - Fluorescein.
- Blood Enhancement Techniques:
    - Amido Black.
    - Acid Fuchsin (Hungarian Red).
    - Aqueous Leucocrystal Violent (ALVC).
    - Titanium Dioxide.
    - Suspension Dyes.
    - Acid Dyes.
- On-scene Preparation Methods.
- Photographic Documentation.
- Introduction to IR Photography.
- Methods for Applying Blood Searching Chemicals e.g.:
    - Pump sprayer's vs Compressors.
- Health and Safety Issues.
- Reporting of Findings.
- "False Positive" Reactions / Environmental Factors.
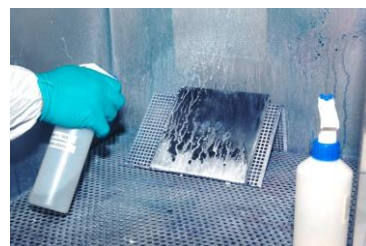- Case Examples.

Pre-Requisites:

None.

Class:

Maximum of 12 participants.

What to bring to the course?

Participants are advised to bring seasonally appropriate clothing.

We also encourage to bring a digital camera which could be very helpful if you wish to document any of your experiments.

Assessment Standards/ Certification:

A certificate will be issued for successful completion of a written assessment of the course requirements.

Course duration, date, location & fee:

The length of the course is 40 hours of instruction.
The course will be conducted Monday through Friday, 8:30 a.m. – 5:00 p.m. at Loci Forensic Training Institute, Nieuw-Vennep, the Netherlands.

The course will be held on Monday 8th of May 2023- Friday the 12th of May 2023 or
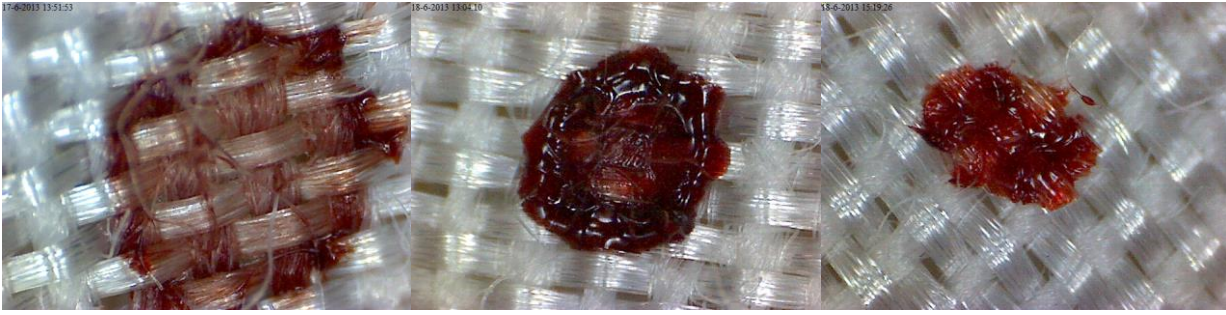Monday 30th of October 2023 - 3rd of November 2023.

This course has a price of € 1595.00 (exclusive 21% VAT) per participant .
Each participant is responsible for making his or her own hotel reservation (follow this link: www.booking.com).

Upon receipt of your registration and payment you will receive a confirmation e-mail. In the event of insufficient registrations, this course will be cancelled.

Note: This course utilizes animal blood for experimentation.

Bloodstain Pattern Analysis on Textile Course (40 Hours)

Our 5 day (40 hours) Bloodstain Pattern Analysis on Textile Course is designed to give the participants 40 hours of lectures, practical's (experiments and mock scenes) to increase knowledge and skills on blood stain analysis on textile.

Examination of bloodstained clothing is a common request of the bloodstain pattern analyst. The analysis of this examination can potentially provide information regarding the movements and activities of the wearer during a bloodshed event and may confirm or refute testimonies for the presence of blood stain pattern on his or her clothing. To analyse these bloodstains correctly the analyst has to understand the scientific fundamentals involved in blood stain formation and its final appearance on textile.

This course is designed for all levels of law enforcement personnel, especially those who search for blood at scenes as well as on articles of physical evidence, investigators, crime scene personnel, attorneys, prosecutors, judges, medico legal investigators and participants studying forensics science and/or criminal justice.

Training topics to be covered:

- Fabrication of textile
- Scientific fundamentals involved in bloodstain formation and its final appearance on textile
- Bloodstain patterns on clothing and other textile
- Spatter vs. Transfer
- Terminology of textile products
- Proper documentation and photographing of bloodstains on clothing, including 2-D vs. 3-D and the use of Infra-Red
- Sampling and lifting of bloodstains on clothing
- The use of blood enhancement and search techniques on textile
- The use of a microscope and other equipment
- Report writing, court presentation and Limitations
- Case reviews

Pre-Requisites:

Successful completion of a Basic Bloodstain Pattern Analysis course meeting the requirements of the IABPA basic course and some field experience.

Class:

Maximum of 12 participants.

What to bring to the course?

Participants are advised to bring seasonally appropriate clothing.

We also encourage to bring a digital camera which could be very helpful if you wish to document any of your experiments.

Assessment Standards/ Certification:

A certificate will be issued for successful completion of a written assessment of the course requirements.

Materials/Supplies Loci Forensics B.V. will provide:

- Laboratory and Reference Manual.
- All lab supplies.
- Certificate of Completion.
- Water, coffee, tea, orange juice and milk.
- Lunch.

Course duration, date, location & fee:

The length of the course is 40 hours of instruction. The course will be conducted Monday through Friday, 8:30 a.m. – 5:00 p.m. at Loci Forensics Training Institute, Nieuw-Vennep, the Netherlands.

The course will be held on Monday 26th of June 2023 - Friday 30th of June 2023 or
Monday 11th of December 2023 - Friday 15th of December 2023.

This course has a price of € 1595.00 euro (exclusive 21% VAT) per participant .
Each participant is responsible for making his or her own hotel reservation (follow this link: www.booking.com).

Upon receipt of your registration and payment you will receive a confirmation e-mail. In the event of insufficient registrations, this course will be cancelled.

Note: This course utilizes animal blood for experimentation.

Location:

Our training Institute is situated in the city of Nieuw-Vennep, just 10 kilometers south of the international airport Schiphol Amsterdam. Amsterdam is just 15 kilometers away and easy accessible by car/train or bus.

By Air:

Schiphol National airport (approximately 15 minutes by car).

Cab Fare is approximately € 50.00.

Railway:

Nieuw-Vennep Railway station is on walking distance (1500 meters)

Accommodation

Each participant is responsible for making his or her own hotel reservation (follow this link: www.booking.com).

Agency-Sponsored Training

In addition to hosting our own bloodstain pattern analysis courses, we provide a large number of agency-sponsored courses. Agencies which have several people in need of bloodstain pattern analysis training will often find bringing the course to their agency is more cost efficient than sending their personnel to an outside course. Sponsoring an in-house bloodstain pattern analysis course(s) assures that all your analysts will have an equivalent knowledge base.

If you are interested in sponsoring a bloodstain pattern course or basic evidence course at your agency, please contact us to schedule an available date. Please note that you should allow 3-6 months lead time when scheduling a week-long bloodstain/evidence course. We will provide a detailed course proposal upon request.

Photography, filming and podcasts disclaimer:

Please note that photographs and footage will be taken throughout our courses. These will be used by Loci Forensics B.V. for marketing and publicity in our publications, on our website and in social media or in any third-party publication. Please contact Loci Forensics B.V. if you have any concerns or if you wish to be exempted from this activity.

Loci Forensics B.V. - Haverstraat 49 - 2153 GD - Nieuw-Vennep - The Netherlands.

REGISTRATION

The registration fee includes course materials, training manuals and lunch.

Please check which week and course you are registering for:

o   Basic Bloodstain Pattern Analysis Course, 6th - 10th of March 2023 - € 1140.00 (exclusive 21% VAT).

o   Advanced Bloodstain Pattern Analysis Course, 3 d - 7th of April 2023 - € 1140.00 (exclusive 21% VAT).

o   Visualization of Latent Bloodstain Analysis Course, 8th - 12th of May 2023 - € 1595.00 (exclusive 21% VAT).

o   Bloodstain Pattern Analysis on Textile Course, 26th – 30th of June 2023 - € 1595.00 (exclusive 21% VAT).

o   Basic Bloodstain Pattern Analysis Course, 11th - 15th of September 2023 - € 1140.00 (exclusive 21% VAT).

o   Advanced Bloodstain Pattern Analysis Course, 2nd - 6th of October 2023 - € 1140.00 (exclusive 21% VAT).

o   Visualization of Latent Bloodstain Analysis Course, 30th of October - 3rd of November 2023 - € 1595.00
(exclusive 21% VAT).

o   Bloodstain Pattern Analysis on Textile Course, 11th - 15th of December 2023 - € 1595.00 (exclusive 21% VAT).

Check or Purchase Order **must** accompany registration:

Name: _____

Organization: _____

Address: _____

City: _____

State / Zip: _____

Country: _____

Phone: _____

E-Mail: _____

Make all checks payable to: Loci Forensics Consulting B.V.

Banking information:

Rabobank accountnumber NL19RABO0317692852   Swift RABONL2U
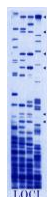
VAT-no. NL857458450B01   Iban NL19RABO0317692852

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Mail Registrations To: info@lociforensics.nl

Check or Purchase Order **must** accompany registration.