



Bloodstain Pattern Analysis I

Course Objectives:

- Demonstrate knowledge of the development, history and advancement of bloodstain pattern analysis
- Demonstrate knowledge of the inherent limitations of bloodstain pattern analysis
- Recognize major bloodstain patterns and understand the mechanism by which they are created
- Determine impact angles for individual bloodstains
- Determine area of convergence for a group of bloodstains
- Demonstrate the ability to combine area of convergence with impact angle to locate an area of origin for a given spatter event
- Recognize the proper protective measures to follow in a bloodstained scene
- Demonstrate knowledge of the methods of documenting bloodstain scenes
- Demonstrate an ability to evaluate a basic bloodstain pattern scene

Curriculum:

Day 1:

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| Introduction | 30 minutes |
| Pre-test | 30 minutes |
| Blood basics | 60 minutes |
| Health Precautions | 30 minutes |
| History of BPA | 15 minutes |
| SWGSTAIN terminology | 60 minutes |
| Volume & Distance Falling | 30 minutes |
| Volume & Distance Practical | 45 minutes |
| Drying Practical | 45 minutes |
| Non-Spatter Pattern Recognition | 75 minutes |
| Non-Spatter Practical | 60 minutes |

Day 2:

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| Spatter Pattern Recognition | 2 hours |
| Spatter Practical | 60 minutes |
| Altered bloodstains | 30 minutes |
| Angle of Impact Determination | 60 minutes |
| Area of Convergence/Origin | 60 minutes |
| Stringing Practical | 2 hours |
| Review | 30 minutes |

Day 3:

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| Tangent method | 1.5 hours |
| Tangent practical | 1.5 hours |
| Crime Scene Documentation Review | 60 minutes |
| Roadmapping | 1.5 hours |
| Chemical Enhancements | 60 minutes |
| Chemical practical | 1.5 hours |

Day 4:

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| Recognition Quiz | 45 minutes |
| Photography/RM practical | 1.5 hours |
| Peer review | 60 minutes |
| Bloodstains on fabric | 2 hours |
| Fabric practical | 2 hours |
| Review | 45 minutes |

Day 5:

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| Group case study discussion | 2 hours |
| Group practical | 3 hours |
| Group practical presentations | 60 minutes |
| Final test | 1.5 hours |
| Test Review | 30 minutes |