Crime Scene Investigation and Reconstruction

Course Objectives (continued)

Use of Forensic Technology
Advancements in forensic technology will be discussed to include equipment and chemical sprays available to detect latent evidence.

Recognition and Documentation of Blood Evidence
Blood evidence can speak volumes regarding the events surrounding an assault or death. Blood evidence should be properly documented and collected to facilitate DNA analysis as well as the interpretation of stains. Proper photography and collection methods will be addressed.

Shooting Scene Reconstruction
There are many aspects to shooting scene reconstruction, however most of the mechanics involved in this type of reconstruction are very straightforward. Attendees will be made aware of the dynamics of a bullet being fired, and the flight path of that bullet after it has been discharged from the weapon. Scale diagrams greatly assist in demonstrating bullet trajectories, and will be appropriately applied. Instruction will be given on the identification and collection of evidence that is crucial to reconstructing shooting scenes.

Gunshot wounds may take on different appearances depending on many variables, such as: the distance to the victim from which the bullet was fired, whether the bullet struck an intermediate surface prior to striking the victim, the caliber of the weapon used, etc... Detailed photo and illustrative examples will be given in order to properly explain the different types and appearances of gunshot wounds.

Officer Involved Shooting Investigations
There are very few incidents that cause greater impact on a police department than shooting incidents involving officers in the performance of duty. In addition to shooting reconstruction evidence, investigators, supervisors, and patrol officers should also be aware of evidence that may go toward precipitating events, or aggravating factors. Locations, distances, and time, all become vitally important and the significance of each will be discussed at length. Specific situations, including shooting at moving vehicles will also be discussed.
Crime Scene Investigation and Reconstruction

**Course Objectives**

Crime Scene Investigation and Reconstruction involves much more than the scientific testing of evidence. Crime scene investigation involves making certain observations about the scene, properly documenting those observations, and collecting physical evidence from the scene. The physical evidence documented and collected from the scene, will later be used to validate or invalidate testimony or other investigative leads. Physical evidence is powerful; as it is difficult to argue with something that you can physically see.

This course is designed to address the responsibilities of all personnel who will be investigating crime scenes, including first responding patrol officers, case detectives, coroners/death scene investigators, and laboratory analysts. Emphasis will be placed on the documentation and collection of physical evidence that will be used to reconstruct events.

**Role of Physical Evidence**

Evidence from the crime scene may give the investigator information as to who was involved at a scene, what may have occurred at a scene, when an action took place, where it occurred and how it occurred. Scene evidence may provide supportive or non-supportive evidence of a victim’s, suspect’s or witness’s statement. Information gained through crime scene analysis may allow the investigator to evaluate statements made by victims, suspects and witnesses as to what occurred during a particular incident. A statement from the subject may or may not fit with the overall scene evidence.

**Evidence vs Information**

Crime scene investigators examine crime scenes in search of physical evidence, which has taken on a context of being affiliated with something that is scientific in nature, such as fingerprints, bullet, bloodstains, or other biological material. Physical evidence however, extends beyond that which is scientific, and the crime scene investigator should be aware of the importance of non-scientific evidence. Various types of physical evidence will be discussed.

Recognizing and properly collecting scientific evidence is obviously important in any crime scene investigation. Information however, can come in many forms and is not necessarily limited to scientific evidence. The available avenues in which to uncover physical evidence, as well as information important to the investigation will be discussed in detail.

**Scene Diagrams**

The importance of completing accurate diagrams at a given crime scene can not be overstated. A quality scene diagram is used to document the crime scene layout, orientation and interrelationships of structures, objects and evidence. Accurate and sufficient measurements should be taken in order to produce the scene diagram to scale if necessary. Methods for producing quality scene diagrams will be discussed, and will include instruction on obtaining the measurements necessary to produce the diagram to scale.

**Seminar Agenda**

**Crime Scene Investigation and Reconstruction**

**November 7, 8 & 9, 2017**

**Indianapolis, Indiana**

<table>
<thead>
<tr>
<th>Tuesday, November 7, 2017</th>
<th>Wednesday, November 8, 2017</th>
<th>Thursday, November 9, 2017</th>
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<tbody>
<tr>
<td>8:00 a.m.—8:30 a.m.</td>
<td>Crime Scene Photography</td>
<td>8:00 a.m.—12:00 p.m.</td>
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<tr>
<td>30 a.m.—11:00 a.m.</td>
<td>Proper Use of Digital Photography</td>
<td><strong>Introduction to Shooting Reconstruction</strong></td>
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<td>11:00 a.m.—12:00 p.m.</td>
<td>Use of Lighting</td>
<td>8:00 a.m.—12:00 p.m.</td>
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<td>12:00 p.m.—1:00 p.m.</td>
<td>Proper Scene Documentation Through Photography</td>
<td>Ballistics Evidence Defined</td>
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<td>1:00 p.m.—2:00 p.m.</td>
<td>Forensic Evidence and Equipment</td>
<td>Documenting Shooting Scenes</td>
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<td>2:00 p.m.—3:30 p.m.</td>
<td>Use of Specialized Equipment to Find What the Eye Doesn’t See</td>
<td>Properly Securing Ballistics Evidence</td>
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<td>3:30 p.m.—5:00 p.m.</td>
<td>Evidence Collection - Marking, sketching, and Presumptive Testing</td>
<td>Mapping and Measuring Shooting Scenes</td>
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<td>Lunch on your own</td>
<td>Shootout Scene Reconstruction</td>
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<td>Composite Drawings and Suspect Descriptions</td>
<td>Casing Ejection Patterns</td>
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<td>Investigating Specific Crime Scenes</td>
<td>Identifying, Documenting, and Collecting Bloodstain Evidence</td>
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<td>Child Abuse</td>
<td><strong>Investigating Officer Involved Shooting Scenes Certificate Presentation</strong></td>
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<td>Domestic Violence</td>
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<td>Self Inflicted Death Scenes</td>
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<td>Deepening Your Knowledge</td>
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<td>Identifying, Documenting, and Collecting Ballistin Evidence</td>
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<td><strong>Analysis of Evidence</strong></td>
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<td><strong>Conclusion and Review</strong></td>
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**Registration Fee:**

- **$89.00** Single or Double (plus tax)
- **$325.00** Includes Crime Scene Investigation and Reconstruction

**On-Site Registration Fee:**

- **$94.00** Single or Double (plus tax)
- **$330.00** Includes Crime Scene Investigation and Reconstruction

**Seminar Title:** Crime Scene Investigation and Reconstruction

**Instructor:** Tom Martin

**Seminar Location:** Public Agency Training Council

**Training Center**
5235 Decatur Blvd
Indianapolis, Indiana
46241

**When:**
November 7, 8 & 9, 2017

**Registration Time:**
8:00 A.M. (November 7, 2017)

**Hotel Reservations:**
Hilton Indianapolis
6555 S. Street Road
Indianapolis, Indiana
46241

**Note:** To receive discount room rates, identify with PATC

**Registration Fee:**

- **$325.00** Includes Crime Scene Investigation and Reconstruction

**Certificate:**

- Course Material, Coffee Breaks, and Certificate of Completion.

**Names of Attendees:**

1. 
2. 
3. 
4. 

**Agency**

**Invoice To Attn:**

(Must Be Completed)

**Address:**

City State Zip

**Email:**

**Phone:**

**Fax:**