

# Course Syllabus

## Shooting Scene Reconstruction Course Outline

Instructor: Michael Haag / 5 Day (40 hr) Course / Class Size: ~20-25



### Day 1 ( 8 hours )

- Intro
- Range Rules
- Definitions
- Firearm and Its Condition
- Crime Scene Photography
- Geometric Review
- Tools for Trajectory Analysis
- Fundamentals of Diagramming
  
- Azimuth and Elevation Angles
- Trajectory Photography (The Photographic Method)
  
- Practical Exercises (Set 1)

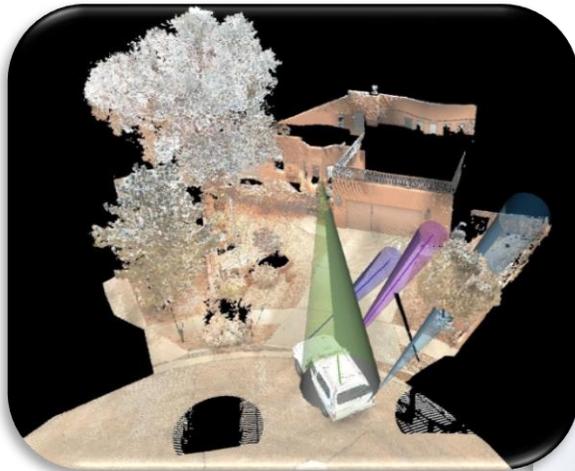


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## Day 2 ( 8 hours )

- Practical Exercises (Set 1) (continued)
- Live Fire Known Angle Car Shots
- Ricochet Lecture
- Sheet Metal Lecture
- Live Fire:
  - Sheet metal
  - Ricochets (yielding, unyielding, and heterogeneous)



### Day 3 ( 8 hours )

- Shotgun Ballistics Lecture
- Glass & Tire Lecture
- Live Fire:
  - Glass & Tires  
(tempered plate windshield)
  - Shotgun Ballistics
- Ejection Pattern Lecture
- GSR Lecture
- Live Fire:
  - GSR
  - Suppression
  - Masking of GSR
- Case Examples



## Day 4 ( 8 hours )

- Chemical Testing Lecture
- Wound Ballistics Lecture
- The Limited Universe Lecture
- Long Range Ballistics Lecture
  
- Practical Exercises (Set 2)
  
- Live Fire:
  - Wound Ballistics
  - Deflection
  - Ejection Pattern Testing



## Day 5 ( 8 hours )

- The Sound of Bullets
- Laser Light Photography Lecture
- 3D Laser Scanning
- Case Examples



- Mock Cases / Practical Exercises (Set 3)
- Discussion / Review
- Test
- Certificates (for those who pass)
- Final Thoughts and Evaluations



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