

# Bevel, Gardner & Associates Inc.



*A forensic education and consulting group.*

## SHOOTING INCIDENT RECONSTRUCTION II



### HOSTED BY:

Lexington County Sheriff's Office

October 10-18, 2018

Tuition: \$910.00 Class sizes are limited

### COURSE INSTRUCTORS

Jonathyn "Jon" Priest is a thirty-one year veteran of the Denver Police Department in Colorado. He has over twenty-seven years of experience investigating thousands of criminal incidents of violence as a detective, supervisor, and command officer. He is a Court recognized expert in Colorado District Courts and U.S. Federal Courts in bloodstain pattern interpretation, crime scene and shooting incident reconstruction, death investigation, and major case management. In addition to criminal testimony, he testifies and consults in civil cases in the area of death investigation and major case management. He has extensive background in the area of death investigation and officer-involved critical incident investigation. Jon developed the Denver Police Department's investigation protocol and training curriculum in the area of death investigation, officer-involved critical incidents, and interview and interrogation. He also has a great deal of experience in the area of video documentation of criminal incidents. He trains law enforcement officers on a state and national level in these disciplines. He regularly consults with the District Attorney for the Second Judicial District as well as the Denver City Attorney in the area of criminal investigation.

*\*Course instructors subject to change.*

# Bevel, Gardner & Associates Inc.



*A forensic education and consulting group.*

*The Bevel, Gardner & Associates staff:*

President:  
Tom Bevel

Vice President:  
Ross M. Gardner

Partners:  
Tom "Grif" Griffin  
Craig Gravel  
Jonathyn Priest

Associates:  
Kim Duddy  
Ken Martin  
David Dustin

### MAILING ADDRESS

7601 Sunset Sail Ave. • Edmond, OK 73034

### CORPORATE

bevelgardner@cox.net • 405-447-4469

### TRAINING COORDINATOR

rcgravel@bevelgardner.com • 405-706-8489



### REGISTER

ONLINE: [www.BEVELGARDNER.com](http://www.BEVELGARDNER.com)  
PHONE: Craig at 405-706-8489

## DESCRIPTION

- > This Master Course of instruction provides the experienced reconstructionist with the skills necessary to completely analyze complex and unusual shooting scenes within their context. Instruction includes useful techniques for documenting various shooting incident scenes, establishing complex and multi-surface trajectories, understanding abnormal wound dynamics, identification of multiple shooter and victim positions, and detailing dynamic movements within an intricate shooting incident location. Attendees shall understand the physics of forceful interactions between projectiles and intermediate or terminal target surfaces. Students will utilize original experiment design to resolve complex and unique investigative questions. Students will learn and employ event analysis in determining event sequencing within a given scene.

## METHODS OF EVALUATION

- > Instructors shall evaluate the student through observation during practical exercises, a written examination, and student ability to articulate an oral defense of their individual and team findings.

## TERMINAL PERFORMANCE OBJECTIVE

- > The investigator, when presented with complex or multifaceted shooting scenes, shall apply learned skills to identify and demonstrate multiple documentation methodologies and techniques. The Investigator shall recognize complex or unusual circumstance and evidence environments and adapt to properly evaluate and process the scene. The investigator shall understand terminal ballistic dynamics to better analyze the incident and articulate accurate conclusions.

\*Recommended hotels for each class location are listed online at [www.bevelgardner.com/calendar](http://www.bevelgardner.com/calendar)

## ENABLING PERFORMANCE OBJECTIVES

- EPO 1** Demonstrate an understanding of shooting scene analysis and documentation.
- EPO 2** Describe an understanding regarding the value of cartridge case ejection patterns. Demonstrate proper techniques for documenting ejection pattern evidence.
- EPO 3** Identify and describe the trajectory characteristics of a firearm discharged projectile and its stability during distance flight. Demonstrate proper calculation methodology for distance shooting reconstruction.
- EPO 4** Identify and describe the proper means for determining muzzle to target distances. Demonstrate proper experimental design for determining muzzle to target distances.
- EPO 5** Identify and describe bullet performance characteristics associated with tissue wounds. To include performance characteristics through various intermediate materials.
- EPO 6** Demonstrate the ability to perform trajectory reconstruction, proper computations, documentation, and illustration through the application of trigonometric calculations when evaluating complex and multi-discharge static and vehicular scenes.
- EPO 7** Identify and describe the proper methodology for laser scanning a shooting incident scene. Describe proper computer documentation methodologies.
- EPO 8** Identify and demonstrate the use of the scientific method in original experimentation design as well as in analysis/reconstruction of a shooting incident.
- EPO 9** Identify and demonstrate appropriate reconstruction methodologies using a documented shooting incident investigation. Demonstrate proper event sequence analysis as it pertains to a shooting incident reconstruction.

## BGA 304 COURSE INFORMATION

Implementation & Review Date	01OCT17
Lecture & Discussion	16 Hours
Laboratory	10 Hours
Practical Exercises	10 Hours
Evaluation	4 Hours

<b>BGA 304-001</b>	Administration, Introduction, Pre-test
<b>BGA 304-002</b>	Shooting Incident, Trajectory Analysis, and Reconstruction Review
<b>BGA 304-003</b>	Cartridge Case Ejection Pattern Documentation
<b>BGA 304-003A</b>	Ejection Pattern Documentation Laboratory and Exercise
<b>BGA 304-004</b>	Long Distance Shooting Analysis and Computation
<b>BGA 304-005</b>	Muzzle to Target Distance Determination
<b>BGA 304-006</b>	Muzzle Distance Determination Laboratory and Exercise
<b>BGA 304-007</b>	Bullet Performance Laboratory
<b>BGA 304-008</b>	Multiple Surface and Angle Trajectory Analysis
<b>BGA 304-009</b>	Multiple Surface and Angle Trajectory Analysis Exercise
<b>BGA 304-010</b>	Multiple Trajectory Documentation of Motor Vehicles
<b>BGA 304-010A</b>	Documentation of Motor Vehicles Exercise
<b>BGA 304-011</b>	Laser Scan Scene Documentation
<b>BGA 304-011A</b>	Laser Scan Scene Documentation Demonstration
<b>BGA 304-012</b>	Utilizing Computer Diagraming for Documentation of Shooting Incident Scenes
<b>BGA 304-013</b>	Review of The Scientific Method
<b>BGA 304-013A</b>	Using the Scientific Method for Experimental Design
<b>BGA 304-014</b>	Experimental Design Laboratory
<b>BGA 304-015</b>	Shooting Incident Reconstruction Practical Exercise
<b>BGA 304-016</b>	Shooting Incident Reconstruction Oral Defense
<b>BGA 304-017</b>	Written Examination

