Course content can be tailored to your specific needs.

COLLISION TRAINING

Services Provided:

- Collision analysis involving all types of motor vehicles
- Basic Level Collision Training, commonly referred to as On-Scene - Homicide by Motor Vehicle Training. (Two-week program)
- Advanced Level Collision Training (Two-week program)
- Collision Reconstruction Training (Two - week program)
- Pedestrian & Bicycle Analysis (One to five day program)
- Emergency Vehicle Issues and Analysis (One or two day program)
- Commercial Vehicle Accident Investigation & Reconstruction (course subject matter varies, call for details)
- Commercial Vehicle & Operator DOT Requirements
- Motorcycle Collision Analysis (One to five day program)
- Lamp Examination Analysis (One to two day program)
- Nighttime Collision Analysis (One to three day program)
- Conservation of Linear Momentum (One to three day program)
- Time & Distance Studies (One or two day program)
- Human Factors and Reactions
- Laser and Scale Diagramming
- Vehicle Restraint Systems
- Vehicle Computer Analysis
- Under Cover Operations/Investigations (Donnie Brasco Series)
- Courtroom Survival (Author Marty Brhel)

Training Workshop/Seminars:

C- 100: On-Scene Collision Investigation and Homicide by Motor Vehicle:

Basic Level - 10 - Day Program: **Registration Fee: $895.00/student**

This course lays the foundation for the professional collision investigator. The course is designed to provide the participants with the awareness and skills necessary to properly conduct a thorough vehicle collision investigation and gather the related physical evidence at the collision scene.

The course utilizes a mix of instructional techniques, including lectures, case studies, projects, testing, and field exercises. The knowledge gained will enhance the student's investigative abilities and allow for a more professional and expert courtroom presentation and testimony.

The course curriculum includes the following:

Course Length: 10 Days (80 Hours)

a) Classification of Traffic Collision
b) Series of Collision Events
c) Physical Evidence from the Traffic way
d) Collision Photography
e) Measuring and Diagramming Collision Scenes
f) Scale Diagrams
g) Interviewing Drivers and Witnesses
h) Minimum Speed Determination from Skid Marks
i) Use of Traffic Template
j) Analysis Information and Case Preparation
k) Principles of Mathematics Used in Collision Investigation

C-100: On-Scene Collision Investigation and Homicide by Motor Vehicle:

Week One:
CI: 101
Course Length - 10-days

Monday:		**Classroom/Homework Assignments**	
0800 - 0900	Orientation & Pre-test	Pages 1 - 60	Reading/Classroom
0900 - 1100	Intro to Acc. Investigation	Pages 61 - 72	Reading/Classroom
1100 - 1200	Class of Collisions	Pages 61 - 72	
1200 - 1300	Lunch		
1300 - 1500	Class of Collisions	Page 73	Reading/Classroom
1500 - 1700	Series of Events	Page 73	Homework Project
Tuesday:			
0800 - 0900	Quiz from Monday session		
0900 - 1000	Definitions & Series of Events	Pages 144-230	Reading/Classroom
1000 - 1200	Physical Evidence from Roadway	Pages 144 -230	Reading/Classroom
1200 - 1300	Lunch		
1300 - 1400	Physical Evidence from Roadway	Pages 231 - 326	Reading/Classroom
1400 - 1600	Physical Evidence from the Vehicle	Pages 231 -326	Reading/Classroom
1600 - 1700	Math Review (Beginning of speed Equations)		Homework Project
Wednesday:			
0800 - 0900	Evidence from the Highway		Quiz
0900 - 1200	Estimating Vehicle Speed		1c, 2c, 3c, 1h, 2h
1200 - 1300	Lunch		
1300 - 1700	Estimating Vehicle Speed, Coefficient of Friction Values, Minimum Speed - Velocity		4c, 5c 6h
Thursday:			
0800 - 0900	Quiz Estimating Vehicle Speed		
0900 - 1200	Estimating Vehicle Speed		6c, 7c, 8c, 3h, 4h
1200 - 1300	Lunch		
1300 - 1400	Estimating Vehicle Speed		9c
1400 - 1600	Speed Field Project		(weather dependent)
1600 - 1700	Estimating Vehicle Speed, Combined Speed Radius, and Critical Speed		Homework Project
Friday:			
0800 - 0830	Field Project Review		
0830 - 1200	Estimating Vehicle Speed		10c, 11c, 5h, 7h
1200 - 1300	Lunch		
1300 - 1700	Estimating Vehicle Skid, Distance to Skid, Time to Skid, Reaction Distance, Formula Projects		Weekend Project

C 100: On-Scene Collision Investigation and Homicide by Motor Vehicle - Cont':

Week Two:

Monday:

0800 - 0900	Homework & Math Review	
0900 - 1200	Traffic Template	
1200 - 1300	Lunch	
1300 - 1400	Traffic Template	
1400 - 1700	Measuring & Diagramming	Homework Assignment

Tuesday:

0800 - 0830	Traffic Template	Quiz
0830 - 0900	Project Review	
0900 - 1100	Photography	Reading Project 6
1100 - 1200	Measuring & Diagramming	
1200 - 1300	Lunch	
1300 - 1700	Measuring & Diagramming	Homework Assignment

Wednesday:

0800 - 0830	Photography	Quiz
0830 - 0900	Math Review	
0900 - 1200	Scale Diagramming	
1200 - 1300	Lunch	
1300 - 1700	Field Projects	Weather Dependent Homework

Thursday:

0800 - 0900	Field Project Review	Reading Project 7
0900 - 1000	Math Review	
1000 - 1200	Human Factors/Elements	Pages 101 - 143
1200 - 1300	Lunch	
1300 - 1500	Interviewing	
1500 - 1700	Misc. Issues	

Friday:

0800 - 1000	Preparing your case
1000 - 1200	Final Examination
1200 - 1300	Lunch
1300 - 1600	Final Examination - Continues
1600 - 1700	Closing Remarks

C 200 Advanced and Technical Collision Analysis Investigation:

Course Length: 10 Days (80 Hours) **Registration Fee: $895.00/student**

The second of the three levels of core traffic collision investigation courses, this course is designed for the experienced police officer, supervisor, or traffic homicide investigator who has collision investigation training and is proficient in collision investigation and evidence gathering, measuring, scaling diagramming and obtaining minimum speed from skid marks. Applicants for this course must have successfully completed the On-Scene/Homicide by Vehicle Collision Investigation training course or equivalent training from a recognized training institution.

The course curriculum includes the following:

a) Speed/Velocity Equations
b) Time and Distance Evaluation Methodology
c) Pedestrian Studies
d) Vehicle Acceleration Studies
e) Diagramming
f) Basic Motorcycle Collision Investigation
g) Basic Commercial Vehicle Collision Investigation
h) Field Projects
i) Lamp Examination
j) Tire Examination
k) Vehicle Dynamics
l) Human Factors

(Prerequisite - On-Scene/Homicide by Vehicle Collision Investigation)

C 200 Advanced Collision Analysis/Investigation: Week One

Monday - Week One:

0800 - 0900	Introduction/Administrative Matters	
0900 - 1000	Pre-test	
1000 - 1200	Falls/Vaults	
1200 - 1300	Lunch	
1300 - 1400	Falls/Vaults	
1400 - 1700	Lamp Examination	Homework Assignment

Tuesday:

0900 - 0815	Administrative	
0815 - 0900	Quiz - Lamp Examination	
0900 - 1200	Acceleration/Deceleration	
1200 - 1300	Lunch	
1300 - 1700	Tires	Homework Assignment

Wednesday:

0800 - 0815	Administrative	
0815 - 0900	Quiz/Tires	
0900 - 1000	Falls/Vaults Quiz	
1000 - 1200	Acceleration/Deceleration	
1200 - 1300	Lunch	
1300 - 1430	Time Analysis	
1430 - 1500	Acceleration/Deceleration Outside Project	Homework

Thursday:

0800 - 0815	Administrative	
0815 - 0900	Quiz/Acceleration/Deceleration	
0900 - 1200	Distance and Velocity	
1200 - 1300	Lunch	
1300 - 1500	Motorcycle Collisions	
1500 - 1700	Commercial Vehicle Collisions	Homework

Friday:

0800 - 0815	Administrative	
0815 - 0900	Quiz/Distance	
0900 - 1000	Quiz/Speed and Velocity	
1000 - 1200	Time & Distance Projects	
1200 - 1300	Lunch	
1300 - 1500	Time & Distance Projects	
1500 - 1700	Acceleration/Deceleration Project and Review	Weekend Assignment

C 200 Advanced Collision Analysis/Investigation: Week Two

Monday - Week Two:

0800 - 0815	**Administrative**	
0815 - 0900	**Project Review**	
0900 - 1200	**Low speed impacts & Insurance Fraud**	
1200 - 1300	**Lunch**	
1300 - 1700	**Time & Distance Projects**	

Tuesday:

0800 - 0815	**Administrative**	
0815 - 1200	**Time & Distance Projects**	
1200 - 1300	**Lunch**	
1300 - 1700	**Advanced Drawing & Advanced Drawing Projects**	

Wednesday:

0800 - 0815	**Administrative**	
0815 - 1200	**Vehicle Damage Profiling**	
1200 - 1300	**Lunch**	
1300 - 1500	**Vehicle Damage Outside Project**	**Weather permitting**
1500 - 1700	**Diagram Time & Distance Project**	**Homework**

Thursday:

0800 - 0815	**Administrative**	
0815 - 0900	**Quiz/Crush**	
0900 - 1000	**Time & Distance Projects**	
1000 - 1200	**Quiz/Time & Distance**	
1200 - 1300	**Lunch**	
1300 - 1700	**Photogrammetry**	

Friday:

0800 - 0900	**Administrative**	
0900 - 1100	**Human Factors**	
1100 - 1200	**Misc. Matters**	
1200 - 1300	**Lunch**	
1300 - 1700	**Final Examination & Closing Remarks**	

C 300 Traffic Collision Reconstruction & Collision Investigation:

Course Length: 10 Days (80 Hours) **Registration Fee: $895.00/student**

This is the final level of the three core traffic collision investigation courses. Reconstruction contains highly technical subject matter, including interpreting evidence from a collision scene and using mathematical computations to determine causation factors of a collision. Officers will use diagramming tools, measuring instruments and photographs, as well as elements of algebra, geometry, and trigonometry to resolve cases.

The course curriculum includes the following:

a) Staged collision situations
b) Diagramming projects
c) Speed analysis
d) Effects of weight shift in braking
e) Effects of anti-skid braking
f) Conservation of Linear Momentum and related project analysis
g) Direction of pre & post travel
h) initial contact points
i) Position of the vehicle on the roadway
j) Collision Analysis from Reports, diagrams, statements, medical records
k) .....and more

Because of the highly technical subject matter, it is mandatory that each applicant have successfully completed the On-Scene and Advanced collision investigation training courses or equivalent training from a recognized training institution.

(Prerequisite - Advanced and Technical Analysis Collision Investigation)

C 300 Traffic Collision Reconstruction/Investigation: Week One

Monday:

Monday - Week One:

0800 - 0900	Introduction/Administrative Matters	
0900 - 1000	Pre-test	
1000 - 1200	Review information relating to Time & Distance Falls/Vaults, Velocity, Speed, Coefficient of Friction	
1200 - 1300	Lunch	
1300 - 1700	In-Line Conservation of Momentum (COM)	Homework Assignment

Tuesday:

0800 - 0815	Administrative	
0815 - 0900	Review of In-Line COM	
0900 - 1200	COM - Right Angle Impacts	
1200 - 1300	Lunch	
1300 - 1530	COM	
1530 - 1700	Projects on COM	Homework Assignment

Wednesday:

0800 - 0815	Administrative	
0815 - 1200	COM - Angular Impacts	
1200 - 1300	Lunch	
1300 - 1700	COM - Angular Impacts	Homework Assignment

Thursday:

0800 - 0815	Administrative	
0815 - 1200	Staged Situations	
1200 - 1300	Lunch	
1300 - 1700	Speed Analysis	Homework Assignment

Friday:

0800 - 0815	Administrative	
0815 - 1200	Effects of Weight Shift in Braking	
1200 - 1300	Lunch	
1300 - 1700	Understanding Occupant Injury	Weekend Project

C 300 Traffic Collision Reconstruction/Investigation: Week Two

Monday:

0800 - 0815	**Administrative**
0815 - 1200	**Vector Sum Analysis**
1200 - 1300	**Lunch**
1300 - 1700	**Vector Sum Analysis**

Tuesday:

0800 - 0815	**Administrative**
0815 - 1200	**Vector Sum Analysis**
1200 - 1300	**Lunch**
1300 - 1700	**Combining Vector Sum and COM**

Wednesday:

0800 - 0815	**Administrative**
0815 - 1200	**Determining Cause Project**
1200 - 1300	**Lunch**
1300 - 1700	**Work Energy**

Thursday:

0800 - 0815	**Administrative**
0815 - 1200	**Steering Overcorrection**
1200 - 1300	**Lunch**
1300 - 1500	**Nighttime Collision Analysis**
1300 - 1700	**Using Technology**

Friday:

0800 - 0900	**Administrative**
0900 - 1000	**Misc. Matters**
1000 - 1200	**Final Examination - Part 1**
1200 - 1300	**Lunch**
1300 - 1700	**Part 2 of the Final Examination & Closing Remarks**

C 400 Advanced Technical Collision Investigation: (Optional) 5-Days:

Course Number: C- 400 **10 credits**
Course Length: 5 Days (40 Hours) **Registration Fee:** **$695.00/student**

Considered optional, this course is considered at times to be the fourth of the core collision investigation courses. The course extensively covers Conservation of Linear Momentum and Vector Sum Analysis.

These topics are very technical and are most often included in Collision Reconstruction Courses. This course is designed to allow more attention to the subject matter and more time for students to comprehend the material being instructed.

C 400 Advanced Technical Collision Investigation: (5-Days)

Monday - Week One:

0800 - 0900	**Introduction/Administrative Matters**
0900 - 1200	**Conservation of Momentum (COM**
1200 - 1300	**Lunch**
1300 - 1700	**COM - In line**

Tuesday:

0800 - 0815	**Administrative**
0815 - 1200	**COM - Right Angle**
1200 - 1300	**Lunch**
1300 - 1530	**COM**
1300 - 1700	**COM - Angular Collisions**

Wednesday:

0800 - 0815	**Administrative**
0815 - 1200	**COM - Angular Impacts**
1200 - 1300	**Lunch**
1300 - 1700	**COM - Angular Impacts**

Thursday:

0800 - 0815	**Administrative**
0815 - 1200	**Vector Sum Analysis**
1200 - 1300	**Lunch**
1300 - 1700	**Vector Sum**

Friday:

0800 - 0815	**Administrative**
0815 - 1200	**Vector Sum Projects**
1200 - 1300	**Lunch**
1300 - 1700	**Final Examination and Closing Remarks**

NOTE: Upon request; several of the blocks of instruction can be introduced as part of the Advanced and Reconstruction training. This is dependent upon the needs of the host agency.

Based upon specific course needs, SCG reserves the right to modify/incorporate the above-topics into the Advanced Level course.

CM 450 Motorcycle Collision Investigation: 3.5 credits

Course Length: 3 Days (24 Hours) **Registration Fee:** **$395.00/student**

This three-day program is designed for the experienced police officer, supervisor, or traffic homicide investigator who wants to better understand the handling characteristics, design, and speed factors affecting the reconstruction of motorcycle-involved collisions. Participants are involved in outdoor demonstrations and case projects.

The course curriculum includes the following:

a. Identifying Motorcycle Components
b. Analyzing Physical Evidence
c. Identifying Collision Causation
d. Human Factor Behavior
e. Field Testing – Slide to Stop
f. Speed Calculations and Techniques
g. Helmets and Safety Equipment
h. Damage Analysis

(Prerequisite - Advanced Collision Analysis)

Registration Fee: **$395.00/student**

CL 500 Lamp Examination Workshop: 1.5 credits

Course Length: 1 Day (8 Hours) **Registration Fee:** **$130.00/student**

The student will examine the various types of vehicle lamps. This workshop will assist the participant in making a proper determination as to the status of the lamp at the moment of impact. This workshop includes an in-class lamp lab exercise.

CP 525 Pedestrian Crash Analysis:

3.5 credits

Course Length: 3 Days (24 Hours) **Registration Fee: $395.00/student**

Pedestrian and bicycle crashes are one of the most frequent types of injurious crashes. Because of their unique nature, special techniques are required to investigate and reconstruct these types of events.

This course addresses the dynamics involved in pedestrian and bicycle traffic crashes. From reaction times to victim injury analysis to environmental factors, you'll learn to recognize and interpret the evidence and correlate it with the collision sequence.

In addition to classroom instruction, practical exercises and staged crash situations will be used to give you "hands-on" experience.

Topics include:

- Pedestrian crash concerns
- Pedestrian collision dynamics
- Your analysis: objective, subjective and performance
- The proper collection of data
- Pedestrian conspicuity
- Reaction time/human factors
- Reconstruction/investigative/analysis techniques
- Bicycle collision
- Hit and run investigation techniques

Note: You should bring a scientific calculator and a traffic template with you.

Prerequisite: You must have completed the On-Scene Traffic Crash/Traffic Homicide Investigation course or its equivalent.

Audience: Law enforcement and private traffic crash investigators, claims adjusters, engineers, attorneys, safety officers, military investigative personnel, animators and graphic designers

CT 550 Tire Forensics Workshop: 1.5 credits

Course Length: 1 Day (8 Hours) **Registration Fee:** **$130..00/student**

This workshop is designed for Advanced Traffic Collision Investigators. Training emphasis is based on collision prevention and possible tire failure as a cause or result of a traffic collision.

The course curriculum includes the following:

a. Tire Design
b. Tire Composition
c. Tire Types
d. Tire Failure-Causes and Preventions
e. Location and Interpretation of Tire Identifications Stamping

CC 600 Computer Aided Diagramming Crash Zone: 7 credits

Course Length: 5 Days (40 Hours) **Registration Fee:** **$695.00/student**

This course is an intensive "hands-on" program which enables students to work with the many operational uses of the Crash Zone diagramming software program. The student will be able to utilize this software program to develop case diagrams and related demonstrative evidence for court use.

NOTE: Course is limited to 15 students. Each student MUST provide their own computer with a MOUSE for classroom use. The mouse is needed for drawing exercises in class. CLEE will provide a classroom version of the software program.

CN 650 Nighttime Visibility Analysis: 1.5 credits

Course Length: 1 Day **Registration Fee:** **$130.00/student**

This workshop examines issues of investigating vehicular collisions that occur in darkness. It includes a discussion of lighting, movement, and pedestrian attire, as they pertain to their impact with moving vehicles. It covers various nighttime situations and considerations involved in both single and multiple vehicle collisions.

The course curriculum includes:

a. Differences Between Day and Night Vision
b. Human Subjective Judgment in Visibility Issues
c. Acuity, Sensitivity and Depth Perception of Human Vision
d. Speed of Recognition During Nighttime Activities

CB 700 Seat Belts and Occupant Kinematics: 1.5 credits

Course Length: 3 Days (24 Hours) **Registration Fee: $395.00/student**

This three-day course covers components, design, and use of both active and passive restraint systems in motor vehicles. Also presented is advanced information on the subject of Occupant Kinematics which is the examination of the movement of humans during collisions. It provides valuable information that can be useful in determining the seating positions of occupants in a collision. It is designed for the experienced police officer, supervisor, or vehicle collision investigator.

The course curriculum includes the following:

a. Seat Belt Design and Proper Usage
b. Seat Belt Examination
c. Restraint System Failure Analysis
d. Vehicle Examinations
e. Medical Terminology
f. Reviewing and Understanding Autopsy Reports
g. Occupant Kinetics and Injury Analysis
h. Driver Determination
i. Evidence Documentation

CV 100 Commercial Vehicle Investigation I: 10 credits

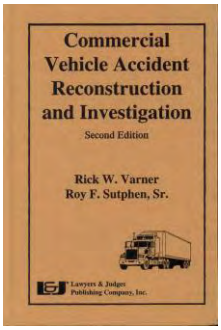
Course Length: 10 Days (80 Hours) **Registration Fee: $995.00/student**

This comprehensive course combines presentations by commercial vehicle component manufacturers with insights from experienced commercial vehicle collision investigators. This combination of instructional expertise is designed to improve knowledge and skills of officers who inspect commercial vehicles prior to and/or after a crash. Emphasis is placed on component design and normal operational performance, indications of normal and abnormal wear, and component failure. This course provides an understanding of commercial vehicle performance characteristics necessary to apply appropriate collision investigative techniques and procedures based upon inspection of the vehicle.

The course curriculum includes the following:

a. Tractor and Trailer Nomenclature
b. On-Board Computer Data, and Log Books
c. Brake System Configuration and Operation
d. Wheels, Rims and Tires
e. Steering, Suspension and Frames
f. Trailer Coupling Devices - Fifth Wheel, Dollies
g. Cargo Tie-Downs and Weight Distribution

NOTE: All commercial vehicle investigation courses can be taken in any order.



CV200 Commercial Vehicle Investigation II: (Investigation Course) 2.5 credits

Course Length: 2.5 Days (20 Hours) **Registration Fee: $395.00/student**

The course is designed to assist the collision investigator in identifying and understanding the air brake system and the system's braking efficiency. This course includes field projects in which commercial vehicles are skidded to determine the vehicle's braking efficiency.

The course curriculum includes the following:

a. Air Brake System (s-cam, Wedge)
b. Anti- Lock Air Brake Systems
c. Air System Components
d. Component Failure
e. Brake Efficiency
f. Brake Imbalance
g. Stopping Distances
h. Field Projects
i. Case Studies

CV300 Commercial Vehicle Investigation III: (Driver Responsibility) 2.5 credits

Course Length: 2.5 Days (20 Hours) **Registration Fee: $395.00/student**

This course is designed to assist the police investigator in determining the accuracy and completeness of the commercial vehicle driver's log.

The course curriculum includes the following:

a. Log Book Composition
b. Driver Documentation
c. Carrier Documentation
d. Log Book Receipts and Data
e. Electronic Log Book

CV400 Commercial Vehicle Investigation IV: (CMV Equations - Dynamics)

Course Number: CV-405
Course Length: 3 Days (24 Hours)

2.5 credits
Registration Fee: $395.00/student

This course covers the investigation of rollover, jackknife, underside and trail swing. It includes a technical examination of suspension systems.

The course curriculum includes the following:

a. Commercial Vehicle Suspension Systems
b. Determining the Center of Mass
c. Speed Determination in Rollover Collisions
d. Causes and Evidence of Trailer Swing
e. Trailer Under-ride Evidence
f. Trailer Under-ride Time and Distance Factors

CV500: Commercial Vehicle Inspection & Collision Analysis: V:

Course Number: CV-500
Course Length: 5 Days (40 Hours)

5 credits

Registration Fee: $345.00/student/individual course or both courses $795.00

This course covers the investigation of rollover, jackknife, underside and trail swing. It includes a technical examination of suspension systems.

The course curriculum includes the following:

Inspection of the CMV: 2.5 days	Commercial Vehicle Collision Analysis 2.5 days
• Tractor and trailer nomenclature • Types of carriers • Coupling devices • Axles • Air brake components • Tires & wheels and rims • Steering system • On-Board computer data, and log books • Brake system configuration and operation • Steering, Suspension and Frames • Trailer coupling services - fifth wheel, dollies • Cargo tie-downs and weight distribution • Driver & vehicle inspection • Stopping distances • Hours of service	• Air brake systems (s-cam, Wedge) • Anti- lock air brake systems • Air system components including suspension systems • Component failure • Brake efficiency & braking imbalance • Brake imbalance • Stopping distances & time and distance • Center of mass • Under-ride • Hydroplaning • Braking Performance of trucks • Weight Shift Issues • Stability of articulated vehicles • Case studies

CL 100 Laser Measuring Device Basic Operation LTI: 3.5 credits

Course Length: 3 Day (24 Hours) **Call for Quote**

This course is designed to be an operator orientation course for the laser measuring devices manufactured by LTI, utilizing the CAD Zone software only. The course will allow the students to utilize the many features of the devices in a one-man operation and obtain the necessary information to download for diagramming.

NOTE: Each student must have a computer and a mouse for classroom use. The mouse is needed for drawing exercises in class. Student will utilize their own department's laser equipment during the course.

CL 200 Total Station Measuring Device: 5 credits

Course Length: 5 Days **Call for Quote**

This course will cover the operational procedures of utilizing the Total Station collision scene measuring device. This "hands-on" training will allow the students to work as a team during the field exercises and obtain the needed download information from the collision scene. Training is offered for Sokkia models utilizing the CAD Zone software only.

NOTE: Each student must have a computer for classroom use. Student will utilize their own department's Total Station Measuring Device during the course.

CR-100: Undercover Operations - (AKA Donnie Brasco Series) - (Shorter programs are available upon request)

Course Number: CR-100
Course Length: 3 Days (24 Hours) **Registration Fee:** Call for Quote

This course is taught by Joe Pistone, (aka Donnie Brasco). You may have seen the movie, but now you have the opportunity of being instructed by America's most experienced under-cover agent/investigator and his team.

Through the intensive teaching seminars, Joe Pistone assembles the most experienced individuals in the field of deep cover operations to assist him in presenting the teaching and practical workshop sessions. Each has a minimum of over twenty-five years with the Federal Bureau of Investigation with at least twenty of those years in undercover assignments. He brings together the top undercover law enforcement minds with a highly experienced medical practitioner to cover all aspects of the undercover experience. This includes the behavioral and psychological considerations and as well as the socio/psychological ramifications of working deep-cover assignments.

Joe Pistone brings a multidimensional and invaluable perspective to undercover training that has been recognized, utilized and heralded, throughout the world. All instructors assisting him in the training are effectively interchangeable depending on availability. Ranges 1 - 5 days.

The course curriculum includes the following:

•Skills of the Undercover Agent
•Legend Building / Backstopping
•Art of Negotiations
•Non-verbal Detection of Deception
•Technical Equipment
•Behavioral Analysis
•Weapons
•Legal Issues / Department Policies
•Testimony / Recording Information
•Undercover Safeguards
•Roll Playing
•Problem Areas in Undercover Work
•Case Study
•Handling the informant and informant development
•Behavioral Aspect of Undercover Work
•Characteristics of an Undercover Agent
•Personalities
•Multidimensional
•Other Qualities
•Emerging from the Operation in Good Condition
•Neutralizing the Target (I.E. Arrest & Conviction)
•Achieving Success as an Undercover Agent
•Getting to Know Your Target
•Discussion of Personality Types That One is Most Likely to Encounter While Working Undercover.
•Problems That May Arise As a Result of Undercover Work and How to Deal With Them

CR-110: The Courtroom and Survival - Marty Brhel (Author of the Courtroom Survival Textbooks)

Course Number: CR-110
Course Length: 3 Days (24 Hours)

3.5 credits
Registration Fee: Call for Quote

Effective courtroom testimony by law enforcement officials is a must in today's world of case prosecution. The work done by law enforcement to make a case is futile if prosecution involved in the case does not understand your case, or if you take the commonly recognized shortcuts that the attorneys are aware of as well as you are. Thus you are not able to achieving a successful conviction.

A solid prosecution depends in part on competent and adept presentation by the law enforcement officer who is on the witness stand to the judge and/or jury hearing and deciding the case in the courtroom.

Most law enforcement officers receive little, if any, formal training regarding courtroom testimony. Most officers learn to testify at the lower courts as it relates to traffic or minor infractions. Once they go to a jury trial, a non-jury trial, they find out it is more structured and sometimes intimidating.

As a result, testifying can oftentimes be an anxiety-producing experience that leaves the officer doubting him/herself and wishing they could have another chance at making it right.

The courtroom is a different world. The distinction of how effective your sworn testimony can be easily overlooked by the law enforcement official who underestimates the defense. Be careful for as the saying goes, the other side is capable of doing what it promises. Never underestimate the opposing side.

Since television shows and other media sources are instant, and numerous television shows are top rated, they have shaped the public's perception of what a law-enforcement officer on the witness stand needs to be able to testify to. This is a uphill battle for today's police officer.

The Courtroom Testimony training course focuses on bringing the law enforcement officer psychologically into the courtroom.

This one day course will teach officers the do's and don'ts of testifying. They will learn how and why a personal relationship must be made with the judge/jury, and how to recognize and shield their personal credibility. Officers will learn when and why they may be called to the witness stand and the importance as well as the limitations of testifying. Preparation tips will be provided to reduce the risks essentially associated with testifying. In addition, specific procedures will be presented to teach officers how to counter common/favorite tactics used by defense attorneys.

The course curriculum includes the following:

•Relating with the Judge & Jury
•Testimony credentials
•Ordinary errors made
•Defense Attorney traps or ambush
•Preparation for the case, mentally and professionally

•Reducing the worry of testifying
•Non-verbal communication
•Articulation of Responses
•Professional report writing
•What are your limitations on testifying
•What to expect from your prosecutor
•How important are courtroom ethics

Course Site Requirements:

- All courses require the student to have sufficient desk/table top space to work multiple tasks involving drawing and math projects. Large tables with comfortable chairs would be appreciated.

- All courses will require outside projects for activities like field measuring (On-Scene & Advanced Level Courses).

- **On Scene:** For skidding purposes, a "test car" vehicle will be needed for the field project during the On-Scene Course.

- **Advanced:** A vehicle to use as a "test car" will be needed for the field project during the Advanced Course for striking of the pedestrian. This vehicle most likely will sustain windshield and hood, headlamp, or other related damages. A vehicle capable of reaching speeds of 40 MPH is all that is necessary. It may be a salvage vehicle.

- **Reconstruction:** Everything needed in both the On-Scene and Advanced courses.

- The instructors will coordinate any other course needs with the host prior to and during the courses.

- The courses will utilize these instructional items: computer data projector, flip chart, and white board or chalk board. If the host does not have these items on-site, SCG requires a ten (10) day notice in order to secure and transport the item(s) to the course site.

Student Materials and Course Information:

- Courses use various lectures, power point presentations, projects/examples, field projects, textbook, homework, and all appropriate student aids to assist the student in successfully completing the training program.

- Each student will be given a course textbook, traffic template, and drawing compass that will be used during the course. These items will become property of the student.

- Traffic Manual for this training program will be the Traffic Accident Investigation Manual, by R.W. Rivers.

- Throughout the course there will be various quizzes and a final examination. To successfully complete the program, the student must be able to maintain a minimum score of 80% over-all.

- Each student will be given a copy of the Collision Investigation Formulas Sheet.

- Students will have course reading assignments and be given copies of the instructor presentation for notes.

- Students will have various classroom and homework projects for various topics that are instructed throughout this training program.

- Students shall attend a minimum number of hours to pass this course. They must attend 95% of the instructional hours.

Instructor Information: (Subject to change dependent upon the training class)

Rick Varner

Mr. Varner is the former Executive Director of the Pennsylvania Institute for Law Enforcement (ILEE), a position he held for more than 22 years. Mr. Varner is a certified police instructor and training expert, his specialty being vehicle collision and alcohol-related training programs. With more than 28 years of instructional experience, he has instructed courses both domestic and international. Mr. Varner is also a former police officer with a Pennsylvania municipal police agency and is currently a private traffic safety consultant and the co-author of two textbooks on Commercial Vehicle Accident Investigation and Reconstruction. These two reference textbooks are sold nationally and internationally by Lawyers and Judges Publishing Company. Mr. Varner brings years of educational and practical experience to the SCG training programs.

Michael Hanik, Jr.

Mr. Hanik is a staff instructor and served as a Traffic Safety Training Specialist with the Pennsylvania Department of Education's Institute for Law-Enforcement Education. Mr. Hanik is a certified police instructor, his primary specialty being vehicle collision training programs. With more than 23-years of instructional experience, Mr. Hanik is also a retired police officer of the Geistown Police Department.

Dan Ferrick:

Mr. Ferrick is a former staff instructor and served as a Traffic Safety Training Specialist with the Pennsylvania Department of Education's Institute for Law-Enforcement Education. Mr. Ferrick is a certified police instructor, his primary specialty being vehicle collision training programs. With more than 23-years of instructional experience, Mr. Ferrick is also a retired corporal with the Pennsylvania State Police.

Dr. Walter Kilareski:

Dr. Kilareski is a Professor Emeritus of Civil Engineering, Penn State University. Dr. Kilareski has authored text books on highway design and has been active in the field of accident investigation and training for more than 30-years. He has served as an adjunct instructor for the Pennsylvania Department of Education's Institute for Law-Enforcement Education Program. Dr. Kilareski has trained and work for many government agencies throughout his career.

Dennis McGee:

Mr. McGee has is retired from the Federal Motor Carrier Safety Administration (FMCSA) where he served as a Special Agent-Safety Investigator form 1979 - 2008. During the time with the FMCSA he served more than 13-years as the state program specialist for Pennsylvania, 7-years as the federal program specialist, and over 9-years as a safety inspector for FMCSA.

Prior to his time with FMCSA, he served 20-years with the Pennsylvania State Police in from 1969 - 1979 after retiring he then joined with FMCSA.

Mr. McGee has a BA degree from Mercyhurst College - 1974, and has earned a MA from Gannon University, Erie in 1976.

Other instructor bio's are available upon request.

Contact Information:

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