

# Advanced Shooting Reconstruction

presented by  
**Texas Forensic Associates**

Hosted by the DFW Department of Public Safety

April 30th - May 4th, 2018



Location: **DFW/DPS Fire Training Research Center 1530 W. 27th St. Grapevine, TX** Time: **8AM — 5PM**

## ABOUT THE COURSE

This course provides the experienced ballistics examiner with the skills necessary to recognize and properly analyze the unique attributes of a long range or sniper shooting scene, the dynamic relationship between the scene and the injuries received by the victim(s), as well as the analytical skills necessary to reconstruct the scene to potentially determine position of shooter(s), victim(s), identify critical evidence and sequence events. These skills may be employed during active investigations to determine the likely sequence of events and to analyze victim, witness and shooter statements to determine veracity and develop investigative leads as well as to develop a product and basis for testimony during criminal or civil judicial proceedings.

**Prerequisite** : Investigation & Reconstruction of Shooting Incidents or instructor permission.

## TOPICS INCLUDE

- Introduction to Long Distance Shooting Reconstruction
- The Physics of Long Distance Shooting
- Ammunition Design and Weapons Design and their impact on vectors, velocity and parabolic effect
- Atmospheric Conditions and its impact on vectors, velocity and parabolic effect
- Weapons Sights, Scopes and Aiming Mechanism
- effect in determining point of impact over distance
- Computer Programs to Determine Shot Origins
- The Biomechanical Effect of High Velocity and Large Caliber Bullet Strikes on the Human Body
- Using shooting patterns to predict likely hides in serial sniper shootings
- Using Counter-Sniper Techniques in Scene Analysis for Likely Hides

## ABOUT THE INSTRUCTOR: MICHAEL S. MALONEY, SPECIAL AGENT (RET.)



Michael Maloney is a United States Marine Corps veteran who retired with over 25 years experience in Federal and local law enforcement. Starting as a Deputy Sheriff in Tom Green County (TX), continuing with the Bellingham (WA) Police Department, before becoming a Special Agent in the Naval Criminal Investigative Service (NCIS), Michael finished his career as a Senior Instructor at the Federal Law Enforcement Training Center (FLETC) at Glynco, GA. He has a Master of Forensic Science Degree from George Washington University, and served a Fellowship in Forensic Medicine at the Armed Forces Institute of Forensic Pathology. Michael is a recognized expert in death scene investigations, crime scene investigation, shooting incident reconstruction, blood-stain pattern analysis and forensic reconstruction. He has taught or worked cases throughout the United States and around the world. His expert testimony, reports and analysis have been used in a wide variety of local, state and federal judicial venues, including the International War Crimes Tribunal at The Hague. Michael is the author of the Death Scene Investigation Procedural Guide and the Crime Scene Investigation Procedural Guide from CRC Press.

**WWW.TXFACT.COM**

THIS COURSE IS APPROVED FOR 40 HOURS CREDIT BY THE TEXAS COMMISSION ON LAW ENFORCEMENT THROUGH THE HOST AGENCY.

**Texas Forensic Associates**  
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**REGISTRATION  
Fee \$595**

\*\*\*\* \$695 after April 1st, 2018 \*\*\*\*

**DFW Airport, TX**

No Refund on Early Registration (Substitutions are Allowed)

<p><b>To register for this class, follow these easy steps:</b></p> <p><b>Step 1 -</b></p> <ul style="list-style-type: none"><li>Identify Payment Method: Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Cash <input type="checkbox"/> PO#: _____</li></ul> <p><b>Step 2 -</b></p> <ul style="list-style-type: none"><li>Fill out the information in the next column</li></ul> <p><b>Step 3 -</b></p> <ul style="list-style-type: none"><li>Mail, Fax, or Email the form to the addresses listed!</li></ul>	<p><b>Student Information</b> TX PID# _____ (One student per form please)</p> <p>Student Name: _____</p> <p>Agency: _____</p> <p>Agency Address: _____ _____</p> <p>Student Phone: _____</p> <p>Student Email: _____</p> <p>Invoice Contact: _____</p> <p>Invoice Phone: _____</p> <p>Invoice Email: _____</p>	<p><b>Send Form to:</b></p> <p><b>Email:</b> register@txfact.com</p> <p><b>Fax:</b> (480) 393-4436</p> <p><b>Mail:</b> TxFACT, LLC 137 Gardner Drive Palestine, Texas 75803</p> <p><b>Make Checks Payable to:</b> TxFACT, LLC</p>
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**PAYMENT**

We gladly accept Visa, MasterCard, Discover, American Express, Department Purchase Orders, Checks and Cash. If paying by credit card, please check the above "Credit Card" box. We will email you an invoice with a secure link for payment. **DO NOT INCLUDE YOUR CREDIT CARD NUMBER ON THE REGISTRATION FORM**

**REQUIRED EQUIPMENT & DRESS CODE**

Outdoor exercises are conducted daily. Foul weather clothing, insect repellent, sun screen, drinking water and a folding chair are recommended. Clothing appropriate for a law enforcement agency required. No flip-flops, shorts, open-toed shoes or tank tops.

**AMERICAN BOARD OF MEDICOLEGAL DEATH INVESTIGATORS**



**Approved by the ABMDI for continuing education credit. (PENDING)**

**Texas Forensic Associates is here to help!**

We have several options available to help bring this, or other, training opportunities to your agency. You can find a list of the classes that we currently offer on our website. Give us a call or send us an email to find out what we can do for you. We'll work hard to find an option that fits your needs.

**FOR INFORMATION: (903) 922-0057 OR RUDY@TXFACT.COM**