



Course #xxxx
Texas Commission on Law Enforcement
(TCOLE)

LAW ENFORCEMENT DESIGNATED MARKSMAN

Course Training Outline
(3-day, 40 credit hours)

Law Enforcement Designated Marksman Course # xxxx

Specialized marksmanship training for the Law Enforcement officer interested in extended range target identification and engagements. Developing an officers ability to perform medium to complex tasks involving long range ballistics and increasing his or her knowledge surrounding the responsibilities of a individual or team of marksman.

Target Population: Certified Peace Officers desiring basic knowledge and skilled proficiency in the topic area of long range target engagements beyond 500 yards.

Prerequisites: Basic marksmanship skills and the ability to employ a sniper rifle or designated marksman rifle, to include the operations of the rifle optic and related equipment.

Training Facility: Multimedia student classroom, multiple live fire ranges, specialized skills courses, target tracking and identification training areas.

Evaluation Procedures: Instructor-to-student interaction, oral and written participation, weapons qualifications, written evaluations, skills testing.

Lesson Plan Cover Sheet

Course Title: Law Enforcement Designated Marksman

Unit Goal:

To provide the Unit Commander with a specialized human asset capable of performing in a myriad of detailed and specialized roles within the scope of modern Law Enforcement operations.

Instructors

- Scott Cantu, Randy Glass, and adjuncts when necessary.

Student Population:

- Law Enforcement Officers from across the United States
- Federal Law Enforcement Officers of the United States
- Government Contractors
- U.S. Military or supporting agencies

TCOLE Continuing Education Hours

- Forty hours minimum, 3 Training Days

Student-Required Training Materials:

- Designated Marksman equipment
 - Scoped-rifle capable of 3-shot groups of under 1.00" at 100 yds
 - Quality match grade ammunition *minimum* of 250 rounds
- Spotting scope
- Binoculars
- Military-style back pack
- Magazine retention devices
- Red-lens flashlight
- Eye protection
- Ear protection
- Water and snacks
- Pocket knife
- Sunglasses and sun-block
- Appropriate clothing for range use and foot travel

Instructor Materials:

- Student handbooks
- Presentation handouts
- Multimedia devices
- Demonstration equipment
- Portable instruction materials

Equipment and Supplies:

- Ballistic Computers
- Ranging Equipment
- Atmospheric instruments
- Optics
- Maps
- GPS

Classroom Set-up

- Chairs and tables
- Room size dependent on student attendance
- Access to rest rooms
- Lodging and meals provided

Prepared By:

Randy Glass, operations manager

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Course Introduction

Open class with instructor and student introductions. Review unit goals and provide overview of course objectives. Outline student expectations of the course and discuss methods and procedures of training. Provide students with understanding of safe practices and procedures while training at Spearhead Tactical LLC. Complete Spearhead Tactical LLC release of liability paperwork. Explain and detail all upcoming training events and appropriate training and non-training timelines.

Lesson Plan Course Goal and Objectives

Day 1: Law Enforcement Designated Marksman

Objectives: Fundamentals of Marksmanship and Understanding Ballistics

Section 1.A Marksmanship

- a.1 Fundamentals
- a.2 Common positions
- a.3 Understanding sight picture
- a.4 Firearm set-up
- a.5 Building a pyramid position
- a.6 Recoil and follow-through

Section 1.B Ballistics

- b.1 Internal and External
- b.2 Terminology
- b.3 Projectile flight characteristics
- b.4 Bullet drop compensation: in, min, mil
- b.5 Ballistic conversions and formulas
- b.6 Building DOPE charts: yds/m
- b.7 Ballistic solvers and computers

Section 1.C Modern Rifle Optics

- c.1 Focal Planes and tube construction
- c.2 Diopters, Parallax, Focus
- c.3 Turrets, erectors, zero stops
- c.4 Levels and Cosine devices

Day 2: Law Enforcement Designated Marksman

Objectives: External Factors and Modern Equipment

Section 2.A Weather

- a.1 Wind shooting
- a.2 Velocity + Direction
- a.3 Wind chart dissemination
- a.4 Effects of Atmospherics on Ballistics
- a.5 Review of computer aided compensation

Section 2.B Modern Reticle Usage

- b.1 Holds/ Holdovers
- b.2 Wind Hold/ Rapid calls
- b.3 Horus-type correction methods
- b.4 Multiple targets/ speed engagements

Section 2.C Range Estimation

- c.1 Factors affecting range estimation
- c.2 Range estimation methods
- c.3 Laser range finders
- c.4 Estimation guidelines

Section 2.D Angle Firing

- d.1 Angle effects on ballistic drop
- d.2 Formulas for angle firing, ASLI

Section 2.E Night-Firing Techniques

- e.1 Weather anomalies
- e.2 Ballistic correction
- e.3 Front/ Rear illumination targets
- e.4 Modern NV/ Thermals and their use with scopes

Day 3: Law Enforcement Designated Marksman

Objectives: Overcoming Real-World Challenges

Section 3.A Team Engagements

- a.1 Multiple team communication
- a.2 Rapid team dialogue
- a.3 “Talking” rifles
- a.4 Team reduction of human targets

Section 3.B Unconventional Positions

- b.1 Shooting sticks and packs
- b.2 Terrain usage
- b.3 Recoil and reacquisition

Section 3.C Stress Shooting

- c.1 Suppressor affect on communication
- c.2 Heart-rated and breathing management
- c.3 Ambient noise mitigation
- c.4 Focus and “bubble” techniques

Section 3.D Moving Targets

- d.1 Methods of leading targets
- d.2 Book formulas and field estimating
- d.3 Rules for speed leads

-Open Discussion Time

-Review and Evaluation

The following evaluation to be completed by students:

- **Facility/Instructor evaluation form**

-Questions?

-Conclusion/Summary:

During the class, students have learned essential techniques to become more efficient and far more knowledgeable LE Marksman. Students have learned to effectively engage targets far beyond the normal ranges commonly associated with sport shooting. They have also learned the external effects on bullet flight path trajectory and accurate shooting in multiple winds. This class has given the Law Enforcement Designated Marksman a basic understanding of team communication and how to be a more effective asset to his or her agency. Students are encouraged to review the data and practice the methods they have obtained throughout the course.

RANGE SAFETY

Treat all guns as if they are loaded.
Never point a firearm at anyone or anything you are not willing to destroy.
K.Y.F.O.T.T. Keep your finger off the trigger.
Know your target and what is behind it.
Never do anything or allow anyone else to do anything you know is unsafe.

AREA SAFETY

DANGEROUS ANIMALS
ROUGH TERRAIN
LIVESTOCK
SECONDARY INJURIES

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Range 1, known distance ————— 35.49633 ' N. 102.204597 ' W
Range 2, unknown distance ————— 35.4042 ' N. 102.37509 ' W
Lodging and classroom ————— 35.381785'N. 102.356603'W