



Sniper Level 1 Law enforcement Course

Contact: rangetechus@gmail.com /208-757-0575

1 Day Course Cost \$350.00 per student depending on course size and location.

Minimum 3 students, maximum 10

***Please contact us if you are working in an overly restrictive budget and we will do our best to accommodate.*

Statement of Target Audience

Beginner Law Enforcement Snipers requiring foundational and fundamental skills including ballistics, fundamental skills for prone shooting, wind solutions, basics of ballistics solutions with Kestrel Applied Ballistics, atmospherics, adjusting rifle setup to fit sniper, etc.

Course Overview

This is a beginner sniper's fundamental skills course focused on making precise accurate ½ moa or better shots from the prone position through developing a sniper's techniques and an understanding of internal and external ballistics. I.E. proper trigger press, ergonomics, bullet and rifle design including efficiency and stability in flight of bullet types, atmospherics, and effect on target, etc..

The course covers what a sniper will need to operate without over dependence on unnecessary equipment. Snipers will adjust their rifles, optics, and kit to proper fit to the individual sniper to ensure they can operate for prolonged periods of time. Rifles will be checked for proper setup such as the appropriate use of Loctite, torquing to specification, etc..

Once rifle and kit deficiencies are corrected snipers will learn to shoot sub half moa groups or best group possible according to condition of rifles. *Note: If rifles are not capable of shooting half moa then deficiencies will be noted and a follow up report with needed corrections will be sent to the agency affected.*

Equipment List Including Round Count clothing etc is located after schedule

PRIOR TO BOOKING:

Please note that as part of our services prior to booking we require that an agency's rifles be assessed by us to ensure proper setup and a subsequently successful course. If there are items or deficiencies that need addressing we will work with you to source and supply these items at a special law enforcement only rate. There is no charge for this service

Schedule Follows

Day 1:

8:30am Meet at Designated Area

8:35 Drive to Range Area

9:15 Course Outline -Dispense DOPE Notebooks/Cooling Towels/Pencils

9:20 Set Rifles to students, Scope Leveling, Loc-Tite/Torque Check

10:00 Safety Briefing: Safety Call-RED RED RED/ 5 Rules of Firearms Safety

10:15 Fundamentals of Long-Range Shooting/Zero Rifles

- Natural Point of Aim, Trigger Control/Follow Through/Breathing/Timing/Dialing VS Hold Over/Parallax Check

10:45 Begin Live Fire 100 Meters Zero Check/Working Fundamentals

11:35 Lunch

12:00 Variables/conditions

- Wind –Mirage, updrafts, downdrafts, fish tailing, windage scales, calculations
- Aerodynamic jump-Spin Drift

- Coriolis effect
- Temperature
- Barometric pressure/Humidity
- Lighting

12:20-30 Begin Long Range Shooting 350-1200meters Prone Position

13:40 15 min Break

13:45 Hasty Review of Fundamentals with questions for students Begin Shoot 350-1100/1200m

17:00 Hot Wash/Question Period

Wrap Up Finish shoot for day

- Safety Check Weapons, return to Zero/Set Parallax to Infinity and pack up -2 People Check Each Weapon System
- Clean Weapons

Depart Site for Home

Sniper Course Equipment List

*****Please be aware that we host courses in high mountain environments and proper clothing and equipment can be vital to a good course. Certain hazards are an integral part of these areas and by participating you are wholly accepting all risks.**

*****The use of a firearm by its nature is inherently dangerous and by using firearms within our courses you are accepting said risks.**

*****If you are using reloads, we ask that you be exceptionally careful in using reloads that are within manufacturers specifications so that you are not putting yourself, other students, or the instructors in danger.**

Our courses are ALCOHOL FREE. We reserve the right to refuse service to anyone who we deem not fit to participate due to alcohol or drug intake.

Now that we have that out of the way, let's look at what is needed to participate.

The areas that we will be training in are located at around 5-7000 feet elevation. Weather can change rapidly. Wind, sun, rain, or even the occasional flurry can hit at all times of year. We do not cancel courses unless we can't see the targets due to clouds or rain. In that case we will do our best to relocate everyone to another area to carry on or in worst case scenario we try to rebook courses as soon as possible. We ask for your patience if this becomes the case.

Required Equipment List

Note: If your agency has not provided any of the following equipment, we are able to source the recommended equipment and offer special law enforcement pricing. We recommend these brands due to our extended experience with them and their dependability in the harshest conditions. Equipment loadout will to some degree change during the different seasons, but Idaho weather is unpredictable so please adopt wisely.

Waterproof breathable jacket (Recommend Outdoor Research Professional Series)

Waterproof breathable pants (Recommend Outdoor Research Professional Series)

Fleece jacket (Recommend Outdoor Research Professional Series)

Insulated jacket (Synthetic or down) We recommend synthetic fill unless temperatures are well below freezing.

Gloves (Lightly insulated for spring, summer, and fall)

Winter Mitts (Rated to negative temperatures)

Ankle Gaiters (Recommend Outdoor Research Professional Series)

Hiking boots that provide ankle support. (Recommend Scarpa Brand)

Polypropylene Liner Socks 2 Pairs

Wool Hiking Socks 2 pairs

Balaclavas (Winter and Summer Types)

Boonie style hat that provides sun protection for the neck and the face. (The sun is much stronger at high elevations and burns happen quickly.)

Eberlestock or Equivalent Sniper pack with rifle Scabbard

Duffle bag for your extraneous or wet gear during movement to and from training site

Sunscreen Lotion/Zinc for Sensitive areas such as nose and ears.

Stomach meds (just in case)

Medications – Please make us aware of any health issues that may affect you. Emergency medical is a long way away.

Water Bottles or Water Bladders Minimum *three to four liters of water per day*

Toilet paper and Unscented Sanitary Wipes

Hand Cleaner Unscented

Rifle and Optics

Rifle Capable of Sub ½ MOA Precision (No large bore rifles above 300 Win Mag calibers except on Advanced Courses)

High Quality First Focal Plane Rifle Scope with MOA or MIL reticles with external elevations and windage adjustment with MIL or MOA markings (Either ¼ MOA or .1 or .2 Mil adjustments) Magnification ranges 3-14, 3-18, or 5-25 power magnification are all appropriate options.

Please note: Second focal plane rifle scopes although they do work complicate solutions and can lead to mistakes in holding wind solutions.

Scope Mounting Appropriate to maximum elevation adjustment of mounted scope.

Scope Mounting Rules:

A Scope with 60MOA of elevation adjustment requires a 20MOA one piece scope base.

A Scope with 100MOA of elevation adjustment requires a 40MOA one piece scope base.

A Scope with 120MOA of elevation adjustment requires a 60MOA one piece scope base or combination of 30 or 40MOA scope base and one-piece mounting with 20 or 30 MOA of slant for a total of 60MOA slant overall.

Scope Level There are cheap options on Amazon.com and we will install during rifle setup. Please insure you bring the correct size for the scope tube or get a level that attaches to the scope base.

Bipod with tilt/level feature (Warne Scope Mounts, Atlas, or equivalent quality) We do not recommend Harris brand bipods due to deficiencies in design)

Ammo

100 rounds of match grade ammo (per day) Norma Match Grade Ammo available for purchase through rangetech.us if needed.

Support Equipment

Electronic Hearing Protection Mandatory

Laser range finder (Optional) capable of 1500 meters (or 3000 meters for the advanced course)

Spotting Scope and tripod (Please contact if you do not have a spotting scope with reticle as we can source for you) We recommend Hog Saddle PigLite Carbon Fiber Tripods (We are a dealer if you need one)

(Advanced Courses) Hog Saddle or Arca Rail and tripod We recommend Hog Saddle Standard or PigLite Carbon Fiber Tripods (We are a dealer if you need one)

Ballistic Solver) Kestrel Elite 5700 or Kestrel 5700X with Applied Ballistics

Shooting Mat -Waterproof with some padding. (Recommend Eberlestock)

Note: (If you're bringing a 338LM or 50BMG on a we highly recommend that you bring a large swatch of carpet to keep debris disturbance to a minimum)

Rear Bags 2-3 We will have bags that you can use and/or purchase. \$15-20 per bag.

Binoculars Optional but recommended.

Weapon Cleaning Kit and Maintenance Kits -We will have one on hand if you don't have one.

BoreTech Eliminator Cleaner

Carbon Fiber Cleaning Rod (No steel or plastic)

Aluminum Cleaning Jags

Cotton Wipes

Bore Cleaning Guide Appropriate to Caliber

Fix-It-Sticks Inch Pounds Torque Wrench Kit (Available for purchase)

Sniper Course Level 2 or Advanced Course Students will need the following additional equipment

Angle Cosine indicator -either weapon mounted or handheld.

Rifle Sling with adjustable length (We recommend Hog Saddle Slings \$45.00, to purchase, if you don't have one)

Paracord ->20 feet

For our Advanced Classes and or those that are staying overnight in the areas we are training please make sure that you have the following (At a minimum)

Waterproof tent with full rain fly and tie downs.

Sleeping pads

Sleeping bags rated to 0 Celsius/Minus 15F or colder.

Headlamps with red lens option

Camp stove

Camp-Chairs (Highly Recommended students have a Helinox lightweight camp chair which we have available for purchase)

Change of clothes for each day

Camp Towel

Toiletries

Food -MREs or freeze dried recommended for multi-day courses. Single day courses pack as you wish keeping in my lunches are on the go.

Water Minimum of 4 liters per day

Sniper Rifle Inspection Checklist Bi-Monthly

If fasteners do not have blue Loctite applied apply a drop of fresh Blue Loctite to all fasteners except scope ring 1/2-inch cross bolts

Check Action Bolts Torque (65 Inch LBS)

Remove scope taking note of scope placement on rail.

Check scope base screw torque (25 Inch Lbs.) (Apply fresh Blue Loctite to screws)

Replace scope in prior noted position.

Push scope towards fore-end of rifle before torquing to avoid scope movement under recoil.

Check Scope Ring Horizontal ½-inch Cross Bolts torque (65 Inch Lbs.) (If other than ½-inch nuts consult factory manual for specifications)

Check Scope Ring Cap Screws Torque (25 Inch Lbs.)

Check bipod and picatinny rail attachment screws are snug to rifle stock/chassis.

Check Bipod mounting screws are snug

Check that elevation and windage cap set screws are snug

(Tighten holding short end of Allen-key to avoid stripping fine threads)

Check the following for smooth manipulation:

Scope Elevation turret travel

Scope Windage Turret travel

Parallax Turret travel

Illumination Operational

Battery Replacement date: (If unknown replace with new and note date)

Check muzzle for damage (Report immediately and remove from service if found.)