

### Long Range Class Prerequisites

- Students:
  - **Be BRRC Mid-Range or Long-Range qualified AND you must have attended BRRC's Mid-Range Class since June 2017.**
  - **Be able to shoot from the prone** (Right now there are no benches on the Long Range)
- Maximum of 10 students with three instructors
- Cost: \$100 for BRRC members, \$150 for non-members, due by start of class.

### Long Range Class Equipment Requirements

- Rifle that has been used successfully at 600 yards
  - Is capable of **supersonic velocity** at 1,000 yards (1,200 preferred)
  - Minimum 10x scope capable of dialing elevation to 1,200 yards.
  - **Zeroed at 100 yards**
  - Spirit/Bubble level highly recommended
  - Precision/accuracy of less than 1 MOA highly recommended. 2 MOA bare minimum
- No less than **60 rounds** of ammo that the rifle is zeroed for. 100 preferred.
- Ballistic calculator, program, or app
- Scope owner's manual and adjustment tools
- Bipod or other support for prone shooting
- Shooting mat, recommended
- Bring a spotting scope and tripod (or one for a two-man team, if attending with a partner)
- Camp stool or folding chair, recommended
- Eye pro and ear pro
- Cold weather gear
- Kestrel or other wind/weather gage, highly recommended
- **All gear must be easily transportable. You will park at the 30 Bench and load your equipment on the range truck for transport to the LR firing point.**

### Long Range Topics to be covered – Classroom 4-6 hours

- Review ballistic data inputs and calculations
- Truing drop with ballistic programs
- Transonic considerations and BC
- Gyroscopic (spin) drift and Coriolis considerations
- Anti Cant Devices / levels and their importance
- Techniques for calling wind
- Prone shooting position
- Trigger control and follow-through
- Importance of observing shots and Shooter-Observer dialogue
- Testing your system: live fire and follow-up
- Long Range Qualification Procedures

We will **not** be qualifying during this class, but by the end of the class you will have all the tools to qualify, if your "system" is up to the task. If interested in attending the class, please contact the BRRC office to be put on the list. We are limiting the class to ten shooters because of the short firing line on the Long Range and to give you more one-on-one instruction.

We will be shooting both days, so you will need your rifle and ammo on the first day. Lunch break will be only 45 minutes, so bringing your lunch is recommended as it is too far to get to a restaurant. Class start at 8:00 AM both days, please arrive a little early. Day 1 should end around 5:30 PM, Day 2 should be done by 12:00 noon.