Chemical Munitions
Instructor Certification Course (CTS)
August 5-7, 2014

CTS Instructor Certification
August 5, Chemical Munitions
August 6, Impact Munitions
August 7, Flashbangs

Instructor: Phil Shingelton
Location: Annandale Tactical Training Center 551 Poplar Ave S Annandale MN 55302
Cost: $175 per person

Additional information may be obtained online. Visit livefireshoothouse.com for registration form or contact Lori Nyren at the Annandale Police Department 320-274-3278.

Instructor Certification
Combined Tactical Systems (CTS) is a leading supplier of Less Lethal options around the world for Law Enforcement Corrections and Military.

Participants Personal Equipment List:
• Duty /SWAT Belt, Body Armor, Training gun and Flashlight will be needed during the program
• Protective/Gas Mask
• Department issued pump shotgun and 37 or 40 mm launcher
• Tactical Uniform or casual dress
• Nomex or similar type gloves that cover the entire hand
• Eye and Ear protection
• Calculator, Note taking material

Instruction will be conducted in a classroom setting. Practical work will be conducted at an approved range. Inert training rounds will be used for classroom demonstration and range deployment. Class time will be from 8:00 AM to 4:00 PM each day and a mandatory test will be given at the end of each topic covered. Upon successful completion of the course, officers attending will be certified by Combined Tactical Systems to instruct others within their agencies for a 5 year period.
Course Overview

Chemical Munitions Instructor Course
This course entails:
- Basic forms of Chemical Agents
- Methods of Chemical Agent dissemination
- History and Introduction to CN, CS, and OC
- Methods of deploying Chemical Munitions
- Specifications and Illustrations of Chemical Munitions
- M201 Material Safety Data Sheet/ Fuze Firing Sequence
- Protective Mask (gas mask)
- Performance levels of Liquid Filled Projectiles
- Delivery Systems for 37mm and 40mm Munitions
- Toxicity of Chemical Agents
- Agent Concentration formula
- Decontamination

Less Lethal Munitions Instructor Course
This course entails:
- Tactical employment of munitions
- Levels of Force
- Physiological Effects of Specialty Munitions
- Shot Placement
- 12 gauge, 37mm, and 40mm Specialty Munitions/Specifications
- Less Lethal kinetic energy projectiles
- Deployment techniques

NFDD/Flash – Bang Instructor Course
This course entails:
- Types of Explosions
- Primary and thermal Effects of Distraction Devises
- History and types of diversion devices
- Specifications and Illustrations of Model 7290 Flash – Bang
- M201 Precision Fuze/M.S.D.S./Fuze Firing Sequence
- Deployment of Device
- Diversionary Device Decibel Levels and Chart
- Rendering Safe Procedures
- Secondary Blast Pressure Effects
- ATF Requirements