

Advanced Forensic Investigative Techniques: Ballistics

This is a self-paced class with continuous enrollment.

Cost: \$25.00

The prevalence of firearms in today's society requires that law enforcement officers be very familiar with investigation procedures involving these weapons. While toolmark examinations of bullets and cartridge casings is an essential and probably the best known part of a firearms examiner's duties, there is more to the job than identifying and individualizing bullets and cartridge cases. Identification of the class characteristics of weapons, serial number restorations, gunshot residue analysis, distance estimations, trajectory analysis, scene reconstruction, powder and shot pattern interpretation are also critical aspects of a firearms examiner's job.

In this class students will learn the basic elements of ballistics. It is intended for anyone considering a career as a law enforcement officer, coroner, medical examiner, or in criminal investigations of any type. It is not intended for those who already have an in-depth knowledge of the subject. There are no prerequisites, and no textbook purchase is required. The eleven lessons are supplemented with Case Studies, Assignments, and Exams to test the student's abilities. Students will need a calculator, paper, and pen.

WARNING: Some material presented in this class is of a graphic nature and may be offensive to some students. Viewer discretion is advised.

The course will deal at length with the following Topics:

- Lesson 1 – Firearms Fundamentals
- Lesson 2 – Guns, Bullets, & Cartridges
- Lesson 3 – Internal Ballistics
- Lesson 4 – External Ballistics
- Lesson 5 – Terminal Ballistics
- Lesson 6 – Gunshot Wounds
- Lesson 7 – Firearms Evidence Collection & Analysis
- Lesson 8 – Bullet & Cartridge Comparisons
- Lesson 9 – Gunshot Residue Analysis
- Lesson 10 – Distance, Point-of-Origin, & Shot Sequence Determinations
- Lesson 11 – Serial Number Restoration

Grading Policy

- A = 100 - 90
- B = 89 - 80
- C = 79 - 70
- D = 69 - 60

F = 59 - Below

Students have the opportunity to purchase certificates upon successful completion of the course.

This course is worth 2 Continuing Education Units (2 CEUs)

- A score of 90% and above entitles the student to purchase a **Certificate of Academic Excellence**
- A score of 80-89% entitles the student to purchase a **Certificate of Merit**
- A score of 75% entitles the student to purchase a **Certificate of Appreciation**

Certificates cost \$25 and can be purchased after completion of the course.

Disclaimer

This class is for informational or refresher purposes, not certification. It cannot be substituted for any state, government, licensing, or educational requirements.

Questions?

Contact me prior to enrollment at webbycyberclasses@yahoo.com