

Lassen Community College Course Outline

GSS-94 Ballistic, Handloading & Testing

1.0 Unit

I. Catalog Description

A course designed to provide the student with detailed knowledge of small arms ammunition. This course requires an additional fee of \$19 to cover the costs of course handouts, case lube, powder, primers, and bullets.

Recommended Preparation: Successful completion of ENGL105 or equivalent multiple measures placement.

Does Not Transfer to UC/CSU
4 Hours Lecture, 46 Hours Lab
Scheduled:

II. Coding Information

Repeatability: Take 1 Time
Grading Option: Pass/No Pass Only
Credit Type: Credit - Degree Applicable
TOP Code: 099900

III. Course Objectives

A. Course Student Learning Outcomes

Upon completion of this course the student will be able to:

Safely reload a straight wall metallic cartridge to a specification equivalent to a factory loading for the same cartridge (velocity and accuracy).

B. Course Objectives

Upon completion of this course the student will be able to:

1. Explain the use of a reloading manual and describe cartridge components.
2. Demonstrate proper setup of reloading equipment.
3. Reload pistol cartridges to S.A.M.M.I. specifications.

IV. Course Content

- A. Safety in the shop
 1. Tools and equipment
 2. Components
- B. History and development
 1. Gunpowder
 2. Firearms
 3. The cartridge
- C. Ballistics
 1. Internal
 2. External
 3. Terminal
 4. Pressure
 5. Measuring
- D. Reloading

1. Economics and accuracy
 2. Tools
 3. Procedures
 4. Casting bullets
- E. Firing and testing
1. Recording
 2. Firing
 3. Chronographing

V. Assignments

A. Appropriate Readings

Students will be assigned readings from various instructor handouts and industry journals.

B. Writing Assignments

Students are required to keep a journal of notes.

C. Expected Outside Assignments

See 'A' and 'B' above.

D. Specific Assignments that Demonstrate Critical Thinking

Students will demonstrate critical thinking by using knowledge gained to predict reactions of changed imprints on subject matter within safety parameters.

VI. Methods of Evaluation

Grades will be determined by class participation and quality and speed of work.

VII. Methods of Delivery

Check those delivery methods for which, this course has been separately approved by the Curriculum/Academic Standards Committee.

Traditional Classroom Delivery Correspondence Delivery

Hybrid Delivery

Online Delivery

Lecture, and Lab Demonstration.

VIII. Representative Texts and Supplies

Instructor handouts, various trade journals.

IX. Discipline/s Assignment

Gunsmithing

X. Course Status

Current Status: Active

Original Approval Date: 6/1/1990

Revised By: John Martin

Curriculum/Academic Standards Committee Revision Date: 12/03/2013

Instructional Program Review Date with no Revision: 03/25/2014