Lassen Community College Course Outline

GSS-78 Design &Repair: 22 Autopistols 1.0 Unit

I. Catalog Description

An advanced course designed to train the student to fine tune .22 autopistols to very close factory specifications. Diagnosis and repair of malfunctioning pistols will be emphasized.

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

Does Not Transfer to UC/CSU
4 Hours Lecture, 8 Outside of Class Hours, 46 Hours Lab, 58 Total Hours of Instruction Scheduled:

II. Coding Information

Repeatability: Not Repeatable, Take 1 Time
Grading Option: Pass/No Pass Only
Credit Type: Credit - Degree Applicable
TOP Code: 095630

III. Course Objectives

A. Course Student Learning Outcomes

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

Properly trouble-shoot and repair common .22 autopistols.

B. Course Objectives

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

1. Properly disassemble, clean and reassemble studied firearms.
2. Describe and measure headspace.
3. Repair, install, or replace open or optical sights.
4. Demonstrate barrel setback and headspacing.
5. Describe and demonstrate the fitting of the fire control systems.
6. Correctly fit magazines and fit the magazine release.

IV. Course Content

A. Safety in the shop
   1. Power tools
   2. Bench tools
B. Bench tools in the gunsmith's shop
   1. Disassembly-assembly tools
   2. Cutting tools and scrapers
   3. Stoning and lapping tools
C. Small bench power tools-uses
   1. Drill press
   2. Grinders
   3. Dremel-Foredom tools
D. Metal surface preparation

1. Grinding, filing, sanding and polishing
2. Cold blueing

E. Blow back operation
1. Newton's 1st Law
2. Headspace
3. Timing
4. Balance

F. Headspace
1. What it is
2. Problems
3. Correction

G. Firing pin
1. Point of impact
2. Shape
3. Protrusion
4. Timing

H. Ruger Mk-1 and Mk-2
1. Theory and function
2. Disassembly-assembly, nomenclature
3. Malufnctions and diagnosis
4. Fitting parts and returning to factory specifications

I. Colt Woodsmen
1. Theory and function
2. Disassembly-assembly, nomenclature
3. Malfunctions and diagnosis
4. Fitting parts and returning to factory specifications

J. High Standard target 22's
1. Theory and function
2. Disassembly-assembly, nomenclature
3. Malfunctions and diagnosis
4. Fitting parts and returning to factory specification

K. Smith & Wesson Md-41
1. Theory and function
2. Disassembly-assembly, nomenclature
3. Malfunctions and diagnosis
4. Fitting parts and returning to factory specifications

V. Assignments

A. Appropriate Readings
The student will be assigned readings from instructor handouts and trade journals.

B. Writing Assignments
The student will be 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 increasing speed and quality of work.

VI. Methods of Evaluation

The student will be evaluated on class participation and completion of class assignments.

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, Laboratory, Demonstration

VIII. Representative Texts and Supplies

Instructor Handouts, Trade Journals, Manufacturer's Suggested Readings

IX. Discipline/s Assignment

Gunsmithing

X. Course Status

Current Status: Active
Original Approval Date: 12/8/1992
Revised By: John Martin
Curriculum/Academic Standards Committee Revision Date: 11/15/2022