Lassen Community College Course Outline

GSS-143 Custom Gunmaking-Muzzleloader Kit Guns 1.0 Unit

I. Catalog Description

The student will completely assemble a muzzleloading firearm during the class. Working with hand tools in a small shop will be featured.

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

II. Coding Information

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

III. Course Objectives

A. Course Student Learning Outcomes

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

Describe the state of the art in design, technique and tools for building the custom muzzleloader as presented by the selected instructor.

B. Course Objectives

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

1. Identify muzzleloader kits and explain the selection process.
2. Describe the finish machining and drilling of ignition systems.
3. Demonstrate the inletting of the barrel and trigger assembly.
4. Explain and demonstrate the drilling and installation of ramrod.

IV. Course Content

A. Safety in the shop
   1. Power tools
   2. Bench tools
B. Historical data
   1. Kit selection
   2. Circa authenticity
C. Toolmaking
   1. Design
   2. Use
D. Construction techniques
   1. Mechanical principles
   2. Function and performance
E. Construction fine points
   1. Barrel making principles
   2. Relief carving
   3. Patchboxes

V. Assignments

A. Appropriate Readings
Instructor handouts and trade journals. Recommended Text 'The Gunsmith of Greenville County', by Peter Alexander

B. Writing Assignments
Students 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 fabricating tools to ease the building process.

VI. Methods of Evaluation

The student will be evaluated on speed and quality of completed lab projects.

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

IX. Discipline/s Assignment

Gunsmithing

X. Course Status

Current Status: Active
Original Approval Date: 1/29/1991
Revised By: John Martin
Curriculum/Academic Standards Committee Revision Date: 11/15/2022