

Lassen Community College Course Outline

GSS-71 Custom Rifle Seminar

1.0 Unit

I. Catalog Description

A course designed to provide the student with an overview of advanced state of the art in design, technique and tools for the custom classic rifle maker, including tools and equipment and their use, design, checkering, metal accessories, wood finish, metal finish, laying out a blank and metal checkering.

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: 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:

Describe the state of the art in design, technique and tools for the custom classic rifle maker as presented by the selected instructor.

B. Course Objectives

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

1. Determine the materials needed for building a custom rifle.
2. Describe and demonstrate proper metalsmithing of bolt and exterior of actions.
3. Demonstrate proper selection and fitting of an aftermarket barrel.

IV. Course Content

A. Safety in the shop

1. Shop equipment
2. Hand tools

B. Tools and equipment

1. Woodworking
2. Checkering, metal and wood
3. Installation-fixtures
4. Sanding and polishing
5. Finishing
6. Sharpening and maintenance
7. Sources of supply

C. Principles and techniques

1. Design and dimensions
2. Laying out a blank

- 3. Templates and measurements
- 4. Fitting and shaping
- 5. Finishing
- D. Metal accessories
 - 1. Availability and sources
 - 2. Proper use or application
 - 3. Making or commissioning
- E. Fit and finish
 - 1. Metal preparation and finish
 - 2. The finished ensemble

V. Assignments

A. Appropriate Readings

Students will be assigned readings from various instructor handouts.

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

The student will demonstrate critical thinking by evaluating the raw material to be used and making decisions and planning dimensions, shaping, layout and design criteria prior to and during the progress of the work.

VI. Methods of Evaluation

Students will be evaluated on the quality of work performed and the introduction of new ideas pertaining to custom rifle building.

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, Industry Journals, Manufacturer's Directions

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: 11/15/2022