

Lassen Community College Course Outline

GSS-130 Professional Engraving

1.0 Unit

I. Catalog Description

An advanced course designed to cover the techniques of engraving as used by different masters in the art of firearms engraving.

Does Not Transfer to UC/CSU

4 Hours Lecture, 8 Hours Outside of Class, 46 Hours Lab, 58 Total Hours of Instruction Scheduled:

II. Coding Information

Repeatability: Not Repeatable, Take 1 Time

Grading Option: Pass/No Pass

Credit Type: Credit - Not Degree Applicable

TOP Code: 100900

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 professional engraver as presented by the selected instructor.

B. Course Objectives

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

Demonstrate the knowledge and manual skills to design, transfer and layout, and the metal cutting skills to place an engraving pattern and precious metal inlay into a hard metal medium, as taught by a master in the art of engraving firearms.

IV. Course Content

A. Safety in the shop

1. Shop equipment
2. Hand tools

B. Lay out and design

1. Application
2. Pattern transfer
3. Scroll-English, American, Germanic
4. Banknote
5. Steel Structure
6. Oak leaves
7. Precious metal inlay
8. Sculptured flowers
9. Lettering
10. Stippling

C. Preparation of metal surfaces

1. Disassembly
2. Annealing
3. Polish

- D. Engraving
 1. Working under a microscope
 2. Use of a gravermeister
 3. Use of a burin
- E. Refinish of firearm parts
 1. Reblueing
 2. Plating
 3. French gray
 4. Coin finish
 5. Color case

V. Assignments

A. Appropriate Readings

Students will be assigned college level reading from texts listed below and various instructor handouts.

B. Writing Assignments

A complete set of notes, covering all that is given during lecture and lab, with appropriate diagrams for clarity and ease of information retrieval. System function reports as needed.

C. Expected Outside Assignments

Studying of texts and handouts, writing assignments and design and function problems.

D. Specific Assignments that Demonstrate Critical Thinking

None

VI. Methods of Evaluation

Student grades will be determined by:

- A. Performance on writing assignments
- B. Performance on written and oral quizzes and exams
- C. Ability demonstrated by student's ability to transfer knowledge gained to a new application

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, oral quizzes, discussion, hands-on demonstrations in lab/lecture, and lab projects that encourage students to use information covered in lecture, as well as reading from texts and role playing.

VIII. Representative Texts and Supplies

"The Art of Engraving", by James B. Meeks

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