Lassen Community College Course Outline

GSS-58.02 Pressure Bedding and Pillar Bedding 1.0 Unit

I. Catalog Description

This course is designed to cover the pressure bedding of bolt-action rifle barrels in wood stocks and the pillar bedding of actions in composite and/or wood stocks.

Recommended Preparation: Successful completion of ENGL105 or equivalent assessment placement.

Does Not Transfer to UC/CSU
6 Hours Lecture, 33 Hours Lab
Scheduled:

II. Coding Information

Repeatability: Take 1 Time
Grading Option: Graded or Pass/No Pass
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:

Properly pillar bed with no more than .005 movement and pressure bed with 6 to 9 lbs. pressure.

B. Course Objectives

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

1. Describe the advantages of pressure and pillar bedding.
2. Demonstrate the ability to pressure bed a composite stock.
3. Demonstrate proper forearm stiffening techniques.

IV. Course Content

A. Advantages of pressure bedding
B. Types of pressure bedding
C. Selecting pressure
D. Placement of pressure points
E. Correcting barrel sticking
F. Advantages of pillar bedding and bedding pillars
G. Fitting pillars to action
H. Checking barrel
I. Barrel channel

V. Assignments

A. Appropriate Readings

Trade manuals will be the primary reference sources, may also include instructor handouts. Additional information resources will include product and use guides from industry manufactures to enhance the learning process.

B. Writing Assignments

Students will be required to complete a set of notes covering lectures, labs, and demonstrations. Notes will include appropriate diagrams, when applicable, for clarity of information. Assignments may be made involving repair, refinishing, and/or modifications t the studied firearm parts. Assignments will proximate problems actually encountered in the field. Performance levels must meet or exceed industry and/or shop specifications.

C. Expected Outside Assignments

Pertinent supplementary literature.

D. Specific Assignments that Demonstrate Critical Thinking

Assignments may include the design and fabrication of a tool, new ideas toward manufacturing techniques, new ways to assemble a gun, new modification techniques. Example: The student will be told what a tool must do and then must design and fabricate the tool without being given dimensions or other information.

VI. Methods of Evaluation

Student will be evaluated on:

1. Completion of assignments in a timely manner.
2. Completed assignments must meet or exceed industry standard.
3. Lecture notes including the drawings and pictures for clarification must be complete.
4. Final examination may include a practical demonstration of skills learned during the course.

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

☐ Interactive Television Delivery ☐ Online Delivery

Lecture/Laboratory/Demonstration

1. Overview and goals of the course.
2. Instructor-modeled review and analysis of related materials, followed by group discussion.
3. Instructor-modeled review and analysis of specific techniques relevant to the topic, followed by group discussion.
4. Student in-class presentation of assignments, followed by instructor-guided group discussion and analysis.

VIII. Representative Texts and Supplies

Trade manuals will be the primary reference resource

IX. Discipline/s Assignment

Gunsmithing

X. Course Status

Current Status: Active
Original Approval Date: 6/4/2001
Revised By: John Martin
Curriculum/Academic Standards Committee Revision Date: 03/25/2014