

Lassen Community College Course Outline

AGR 57 Beginning Horseshoeing

3.0 Units

I. Catalog Description

An introduction to the shoeing of horses, utilizing both hot and cold shoes. Also included will be the anatomy and physiology of the horse's hooves with the ability to identify blemishes and soundness. Use of the forge and the making of shoes from bar stock will be presented in addition to the instruction of actually shoeing horses. This course has been approved for hybrid delivery.

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

Does not transfer to UC/CSU
34 Hours Lecture, 68 Hours Lab
Scheduled: Fall

II. Coding Information

Repeatability: Not Repeatable, Take 1 Time
Grading Option: Graded or Pass/No Pass
Credit Type: Credit - Degree Applicable
TOP Code: 010240

III. Course Objectives

A. Course Student Learning Outcomes

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

Analyze structural design then correctly shape and apply shoes to a given horse.

B. Course Objectives

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

1. Handle horses safely.
2. Identify the anatomy and physiology of the foot.
3. Properly use the tools for shoeing.
4. Trim and shoe all types of horses.
5. Identify blemishes and unsoundness in horses.
6. Identify defective gaits.
7. Design shoes from bar iron.
8. Design shoes and know when to apply them.
9. Treat lameness through corrective shoeing.
10. Use the forge for heating and also to forge weld.

IV. Course Content

- A. Anatomy and physiology of horses' feet.
- B. Study and dissection of horses' feet.
- C. Use of hand tools in shoeing.
- D. Use of the forge and building of its fire.
- E. Forge welding.
- F. Making of shoes from bar stock.

- G. Turning of shoes.
- H. Nailing of shoes.
- I. Shoes and shoe types.
 - 1. Cold shoeing
 - 2. Hot shoeing
- J. Safety in handling of horses.
- K. Shoes with heel calks.
- L. Shoes with clips.
- M. Practice shoeing.

V. **Assignments**

A. **Appropriate Readings**

1. The student will complete monthly outside reading assignments in American Farriers Journal and The Anvil.
2. Weekly assignments from the text.

B. **Writing Assignments**

The student will be required to complete a term paper on foot and leg lameness.

C. **Expected Outside Assignments**

Students will shoe and trim horses for approximately forty hours extra on full day or two day trips.

D. **Specific Assignments that Demonstrate Critical Thinking**

1. The student will analyze each individual horse according to conformation in order to balance foot properly.
2. The student will recognize symptoms of lameness or imbalances within the foot and leg.
3. The student will make proper selection of shoes.
4. The student will understand and cope with different attitudes and mannerisms of each horse.

VI. **Methods of Evaluation**

Traditional Classroom Delivery

1. Written midterm and final exams
2. Practical skills final exam
3. Skills competency evaluation throughout the semester
4. Grades on written assignments

Hybrid Evaluation

All quizzes and exams will be administered during the in-person class time. Students will be expected to complete online assignments and activities equivalent to in class assignments and activities for the online portion of the course. Electronic communication, both synchronous and asynchronous (chat/forum) will be evaluated for participation and to maintain effective communication between instructor and students.

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

Traditional Classroom Delivery

Lecture, Demonstrations, Required practical application within the lab, Slides, 16mm films, VHS video films, Training aids, Field trips and Guest speakers

Hybrid Delivery

A combination of traditional classroom and online instruction will be utilized. Every semester, a minimum of 17 hours of class will be taught face-to-face by the instructor and the remaining hours will be instructed online through the technology platform adopted by the District. Traditional classroom instruction will consist of lectures, visual aids, discussions and group activities. Online delivery consists of instructor-generated information, readings, news communications, web links and activities as well as facilitation of forum based discussions and communications.

VIII. Representative Texts and Supplies

Kauffmann, Susan, *"The Essential Hoof Book"*, 2017, Trafalgar Square Books, ISBN: 9781570767326

Supplies:

Safety glasses and tool box for tools

IX. Discipline/s Assignment

Equine Science

X. Course Status

Current Status: Active

Original Approval Date: 3/20/1990

Revised By: Brian Wolf

Curriculum/Academic Standards Committee Revision Date: 11/03/2020

Revised for IPR, no change: 03/15/2022