*Reedley College Animal Science Program*

Course Syllabus Fall 2020

**Class Name & Number:** AS 23 – Introductory Farrier Science – Section 56113

**Units: 3.0** (2 - hour lecture 4 - hour lab per week)

**Instructor Information:**

Clyde “Tug” O’Bannon

Email: shoebender47@gmail.com

Phone: 559-314-5310

Office hours: TBA

**Class Meetings:**

 Tuesday & Thursday 6:00pm – 8:50pm.

 Lecture – 6:00pm – 6:50pm Ag15

 Lab – 7:00pm- 8:50pm Pavilion. Please check campus email and Canvas regularly for any class location notification.

**Holidays:**

Holidays will be observed as per the State Center Community College District

September 7th—Labor Day

November 11th –Veterans Day

November 26 & 27th – Thanksgiving Holiday

**Drop Deadline:**

August 21st last day to drop with full refund; August 30th last day to drop a class on WebAdvisor to avoid a W; August 28th last day to add class; **October 9th**  last day to drop the class with W, after that grade must be given.

**Final Exam:** TBA

**Prerequisite:** None

**Text & Other Course Material:**

 No text is required. Students are encouraged to consult equine industry websites and/or the American Farrier Journal for information regarding career opportunities in farrier science. Students will be required to wear closed toed shoes and long pants to lab. Students will need to provide their own hoof knife by the third week of instruction.

Reference Textbooks:

Butler, Doug. *The Principles of Horseshoeing P3* Butler Publishing 2004

Gregory, Chris. *Better Basics, Better Horseshoeing* Lessiter Publications 2004

Gregory, Chris. *Gregory’s Textbook of Farriery* Heartland Horseshoeing School 2011

Kauffman, Susan. *The Essential Hoof Book* Trafalgar Square Books 2017

**COVID-19 SAFETY MEASURES**

**Attendance Policies**

Students should evaluate their own health daily and must complete the online health screening available daily: <https://scccd.az1.qualtrics.com/jfe/form/SV_3IO880HybZg7ajX>

If they have any of the following symptoms, they should not attend class. Students are encouraged to contact the nurse or healthcare provider for further guidance. Common COVID-19 symptoms include, but are not limited to:

* cough
* sore throat
* shortness of breath
* runny nose (not due to seasonal allergies)
* fever (100.4 degrees or more)
* and/or chills

Students should also not attend class if they have had close contact with anyone who has had these symptoms in the last 14 days.

Class lectures will be recorded and posted online daily. Students who have been absent should review the class materials and contact me to ensure that they do not fall behind in their course work.

Students may be dropped if they miss more than two consecutive class meetings without explanation before week 4.

**COVID 19 Safety Practices**

Facial Coverings: Students and instructors are required to wear facial coverings or masks that cover and fit the face against the nose and mouth when entering, exiting, and throughout class. Students who have a documented medical condition that prevents them from using a snugly fitting facial covering can use face shields as an alternative.

Handwashing: Students are required to wash their hands or use hand sanitizer prior to class. Hand sanitizer is available in the classroom for their use.

Social Distancing: Students are required to stay at least 6 feet apart while on campus. In the classroom, maintain social distance and sit in seats as designated by the seating chart.

Classroom Cleaning: Students will wipe down their seating/work area with disinfectant before and after class.

Safety procedures are subject to update.

 **Grading Policy:**

Writing Assignment, homework, lab participation, class participation, quizzes, exams and lab reports.

 Grading Scale:

 **A** = 90-100% **B** = 80-89% **C** = 70-79% **D** = 60-69% **F** = ≤ 59%

The final grade will be determined 20% class assignments and exams, 20% final exam and 60 % laboratory activity and participation. There will be no make-up of any missed quizzes, exams and assignments or lab activities.

**Attendance Requirements:**

 Attendance is required since most of the learning occurs in the lecture/laboratory activities.

* Student are responsible for obtaining the notes and information missed due to an absence from the instructor or fellow student
* College policy dictates that an instructor should drop a student with two consecutive weeks of unexcused absence.
* At the end of the ninth week of instruction no withdrawals are permitted, and a student must receive a grade.
* Please refer to the Website, campus email and Canvas regularly to be notified of any canceled classes

 **Behavioral Standards:**

 All students are expected to act in a mature, responsible manner that respects the rights of all students, instructors, staff and guests of Reedley College. All cellphones and other electronic devices must be turned off and put away during lecture and lab. **Absolutely no cell phones during lab.**

**Cheating and Plagiarism:**

 In compliance with SCCCD board policy 5410, each student is expected to extend an entirely honest effort toward attaining an education. Violations of this policy will result in disqualification for the course.

**Accommodations for Students:**

 If you have a verified need for an academic accommodation or materials in an alternate media (i.e. Braille, large print, electronic text, etc,) per the Americans with Disability Act (ADA) or section 504 of the Rehabilitation Act, please contact me as soon as possible.

**Course Description:**

 This course covers fundamental horseshoeing principles and practices, basic anatomy and physiology of the horse's limbs and feet, horseshoeing terminology, and guidelines for assessing a proper horseshoeing job. The examination of treatment and prevention of common lameness problems are also included. (A, CSU)

**Course Learning Outcomes**

Correctly shape, nail, and finish horse shoes when applied to a horse's hooves.

Correctly trim and shape a horse's hooves.

Relate the anatomical features of the horse's lower limbs to their physiological functions.

**Learning Objectives:**

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| *In the process of completing this course, students will:*1. Discuss alternatives for corrective shoeing. 2. Analyze potential foot problems evident in young horses. 3. Compare and contrast the different types and fitting of a horseshoe. 4. Diagnose unsoundness of hoof, appraise causes, and recommend remedies. 5. Analyze the motion of various horses and appraise applicable trimming or shoeing techniques for maximum horse benefit. 6. Evaluate a horseshoeing job for balance, symmetry, and correct angles. 7. Design a plan to restore proper balance of the hoof. 8. Diagram the internal and external parts of the hoof and analyze the function of each. 9. Assess a sample hoof and evaluate measures to gain proper balance. 10. Identify all bones, major ligaments, and tendons of the front and hind limbs and explain their physiological function.  |
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**Lecture & Laboratory Topics:**

**Course Outline**

I.  Basic Anatomy and Physiology
A.  Anatomy of front and hind limbs
1. Bones of the forelimb and hindlimb
2. Ligaments of the forelimb and hindlimb
3. Tendons of the forelimb and hindlimb
B. Physiology of the forelimb and hindlimb
1. Physical actions of locomotion
C. Anatomy of the hoof
1. Terminology
2. Internal and external parts
3. Function of hoof parts
4. Proper balance
5. Diseases
6. Effects of age, health, and conformation on the hoof

II.  Balance of the Hoof
A. Identifying abnormalities
B. Designing a plan for proper balance
C. Theory of restoring feet
D. Correct trimming procedures

III. Unsoundness of Hoof
A. Conformation problems
B. Thin walls
C. Dropped soles
D. Remedies

IV.  Hoof Trimming
A. Practices
1. Proper angle and balance
2. Preparation of the hoof for shoeing
3. Safe and correct holding of the hoof
B. Tools
1. Function
2. Costs
3. Identification

V.  Barefoot Trimming
A. Advantages and disadvantages
B. Costs
C. Skills needed

VI.  Cold Horseshoeing as opposed to “Hot” or Forge Horseshoeing
A. Horseshoes
1. Types
2. Fitting
3. Nailing
B. Holding the horse safely and correctly for shoeing
C. Shoeing techniques
D. Corrective and pathological shoeing
E. Preventative shoeing
F. Achieving proper horse motion
G. Guidelines for assessing a proper horseshoeing job

VII. Trimming and Corrective Procedures for the Young Foal
A.  Identifying problems in foals
B.  Designing procedures for correction

**Lab Outline**

Preparation of specimen hooves and review of anatomy

* Identification of equipment
* Practice trimming on specimen hooves
* Horse handling safety
* Trimming hooves on live horses
* Horseshoeing procedures
* Assessing a proper horseshoeing job

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