

Lassen Community College Course Outline

AGR 14 Equine Science

3.0 Units

I. Catalog Description

Survey of the equine industry, encompassing the evolution and role of the equine species throughout history, breed selection and development, nutrition, disease, preventative health, reproductive management, basic horsemanship and stabling alternatives. This course has been approved for hybrid delivery.

Diversity Statement: Our commitment to diversity requires that we strive to eliminate barriers to equity and that we act deliberately to create a safe and inclusive environment where individual and group differences are valued and leveraged for the growth and understanding as an educational community.

Recommended Preparation: Successful completion of ENGL 105 or equivalent multiple measures placement.

Transfers to both UC/CSU
C-ID AG-AS 116L

34 Hours Lecture, 51 Hours Lab, 68 Outside Class Hours, 153 Total Hours of Instruction
Scheduled: Spring (odd)

II. Coding Information

Repeatability: Not Repeatable, Take one 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:

1. Design and implement a basic health management and disease prevention plan for a horse.

B. Course Objectives

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

1. Describe major historical developments in the horse industry.
2. Identify eight common breeds of horse and explain the selection pressures involved in the development of each breed.
3. Identify and discuss the functional anatomy of the horse.
4. Identify and describe functional criteria of horse selection.
5. Define basic health, disease prevention, and parasite control as it pertains to the horse industry.
6. Describe and contrast different horse management practices.
7. Describe major horse behavior and training techniques.
8. Define basic concepts of horse production as a business.

IV. Course Content

The following topics may be included in the course but are not intended as limits on its content.

- A. History and development of the horse industry (i.e. evolution, domestication, and zoological scheme)
- B. Horse breeds
 - 1. Origins
 - 2. Selection pressure and how it effects development of the breed
 - 3. Current uses
- C. Horse functional anatomy (i.e. skeleton of the horse, anatomy of the foot)
- D. Selection and judging of horses
- E. Horse health
 - 1. Disease control
 - 2. Parasite control
- F. Common Disease
- G. Markings and identifying horses
- H. Hoof care
 - 1. Foot problems
 - 2. Unsoundness in horses
- I. Transportation
- J. Horse behavior
- K. Reproduction
 - 1. Mare
 - 2. Stallion
- L. Training and controlling the horse
 - 1. Grooming
 - 2. Horsemanship
- M. Facilities and Equipment
 - 1. Safety
 - 2. Equipment
- N. Basic concepts of business (i.e. capital, budgets, management traits, syndicated horses, breeding contracts, taxes and insurance)

V. Lab Activities

Individual Laboratory Activities may include but are not limited to:

- 1. Horse behavior, handling and safety
- 2. Basic Horse Care
- 3. Horse Selection and Evaluation
- 4. Herd health and vaccination
- 5. Equine Nutrition
- 6. Tools and Equipment identification
- 7. Equine Reproduction

VI. Assignments

A. Appropriate Readings

Standard college level texts (Equine Science by Rick Parker) will be required. Additionally, articles and materials from other learning sources will be used to enhance the learning process.

B. Writing Assignments

In order to successfully complete this course, students must demonstrate

understanding of course content on several written measures, including mixed format essays and examinations, and a final term paper written on a topic of interest germane to the course content.

C. Expected Outside Assignments

Outside assignments will include weekly reports related to each learning unit, research assignments, field trips, etc.

D. Specific Assignments that Demonstrate Critical Thinking

The students will demonstrate critical thinking skills through written analysis of differences in management and business techniques and demonstration of training skills in lab.

VII. Methods of Evaluation

Tradition Classroom Evaluation

Term paper (topic choice, thesis statement, outline, bibliography, rough draft, final draft), homework, classroom discussion, essay, journals, lab demonstrations and activities, multiple choice quizzes, and participation.

Hybrid Evaluation

Quizzes and exams could be administered in person and/ or online. 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

VIII. 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, discussion, audio-visual media, demonstration, group exercises, guest speakers, lab, individualized programs and other as needed.

Hybrid Delivery

Hybrid modality may involve face to face instruction mixed with online instruction. A minimum of 1/3 of instruction, including 100% labs, will be provided face to face. The remaining hours will be taught online through a technology platform as adopted by the district.

IX. Representative Texts and Supplies

Rick Parker, "*Equine Science*," 5th edition, 2019, Delmar Cengage Learning, ISBN: 9781305949720

Additional handout material supplied by the instructor will enhance the scope of information covered in the course objectives.

X. Discipline/s Assignment

XI. Course Status

Current Status: Active

Original Approval Date: 2/27/1990

Board Approved: 11/12/2014

Chancellor's office Approved: 11/20/2014

Revised By: Brian Wolf

Curriculum/Academic Standards Committee Revision Date: 12/5/2023

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