ASCI 022: HORSE HUSBANDRY

Proposer:

Name:	Email:
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Effective Term:
Fall 2019

Credit Status:
Credit - Degree Applicable

Subject:
ASCI - Animal Science

Course Number:
022

Catalog Title
Horse Husbandry

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. Laboratory required.

Method of Instruction:
Laboratory
Lecture and/or Discussion

Course Units/Hours:

Course Units Minimum:
3

Lecture Hours Minimum (week)
3

Lab Hours Minimum (week)
1

Activity Hours Minimum (week)
0

Total Contact Hours Minimum (semester)
70

Total Outside Hours Minimum (semester)
105

Total Student Learning Minimum Hours (semester)
175

Repeatability:
No

Open Entry/Exit:
No

Field Trips:
Not Required

Grade Mode:
Standard Letter

TOP Code:
010240 - * Equine Science

SAM Code:
C - Clearly Occupational

Course Content

Methods of Assessment:
Essay quizzes or exams
Oral presentations
Problem solving assignments or activities
Short answer quizzes or exams
Skill demonstrations
Written essays or extended papers

Course Topics:

	Course Topics
1	Nutrition and Digestion- Digestion and utilization of feed, Dental health, Nutrient requirements and Feeding systems.
2	Diseases- Common infectious diseases, Non-infectious diseases, Preventive health and vaccination programs.
3	Parasites- Common internal and external parasites, Role of parasites in disease process Control and management of parasites .
4	Horse Breeds - Origins, Selection and development, Current uses.
5	Evolution of the Horse- Prehistoric evolution, Domestication and historic influence, Development of the modern horse, current uses.
6	Facilities and Equipment - Ranch lay-out and equipment, horse stabling alternatives.
7	Basic Horsemanship- Grooming, Hoof care and shoeing, Basic handling and safety practices.
8	Reproduction- Mare reproductive physiology, Stallion reproductive physiology.
9	Equine Behavior- Normal and Abnormal behavior, reasons for reactions, being pro active for safety.
10	Anatomy and Conformation- Basic structural anatomy, Motion of the horse and gait analysis for Lameness issues.

Course Objectives:

	Course Objectives
1	Demonstrate an understanding of conformation with respect to the horses motion and intended use.
2	List common infectious diseases and explain the role of preventive health and vaccination programs.
3	Identify a common breed of horses and assess the selection process involved in the development of each breed.
4	Explain the role of the horse in the development of civilization world-wide and the current contributions of the horse to society.
5	Describe career opportunities in the equine industry.
6	Demonstrate ground safety while performing routine basic health and grooming tasks.
7	Design an efficient and safe horse-handling facility.
8	Demonstrate a basic understanding of horse behavior in different surroundings.
9	Demonstrate knowledge of practical equine reproductive management.
10	Relate form to function with regards to equine anatomy.

11	Explain the basic principles of digestion and describe practical nutrient requirements for various stages of production in the equine.
12	Demonstrate knowledge of common horse parasites, their role in disease processes, and their control.

Course Outcomes:

	Course Outcomes
1	Upon completion of this course students will be able to disseminate concepts and principles that govern the development and uses of modern horse breeds.
2	Upon completion of this course students will be able to list and disseminate function for each major anatomical system of the horse.
3	Given lecture, class discussions and reading assignments, students will be able to interpret the principles and the impact that history has had on the horse and its relationship to the modern horse industry. Demonstrate their understanding of these concepts through written exams. Equine industry standards shall be applied.
4	Given classroom lecture, discussion and laboratory applications, students will be able to disseminate and apply the principles of horse selection.Given classroom assignments and laboratory applications, students will be able to list principles and apply them to management scenarios for the equine owner.

Assignments:

Assignment Type:	Details
Reading	Students will be required to read chapters and complete the questions at the end of each chapter. For example : Chapter 1 is Equine History, students will read the chapter and answer 15 questions at the end.
Writing	Students will be required to write an essay on a breed of horse along with a presentation. Presentation can be via, powerpoint or google docs. Students paper/essay will be APA style writing.
Homework	Students will be required to do various research on disease and vaccination and parasites and deworming. For Example: students will be required to look up de-wormers on the internet and present their findings in class.
Lab	Students will complete various labs on each unit. For example: After completing the hoof unit, students will identify hoof problems at the equine unit in a lab setting.

Textbooks or other support materials

Resource Type:	Details
Books	Equine Science Rick Parker Delmar Cengage Learning 5th edition 2018 978-1305949720

Transferable to CSU

Yes - Approved

CSU General Education

Transferable to CSU

This course will also be proposed for UC transfer.

Yes

Transferable to UC

Yes - Approved

UC/IGETC General Education

Transferable to UC

Other Degree Attributes

Degree Applicable
Not a Basic Skills Course

Banner Title:

Horse Husbandry

Curriculum Committee Approval Date:
04/03/2019

Academic Senate Approval Date:
04/24/2019

District Governing Board Approval Date:
05/13/2019

Course Control Number:
CCC000529398