EQSCI 170 Course Outline as of Fall 2004

CATALOG INFORMATION

Dept and Nbr: EQSCI 170 Title: FARRIER SCIENCE
Full Title: Farrier Science
Last Reviewed: 8/28/2017

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	17.5	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00 Total Student Learning Hours: 157.50

Title 5 Category:	AA Degree Applicable
Grading:	Grade or P/NP
Repeatability:	39 - Total 2 Times
Also Listed As:	
Formerly:	AG 166A

Catalog Description:
Basic anatomy and physiology of the horse's limbs and feet. Causes, treatment and prevention of common lameness problems, horseshoeing terminology and guidelines for assessing a proper horseshoeing job.

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100.

Limits on Enrollment:

Schedule of Classes Information:
Description: Basic anatomy and physiology of the horse's limbs and feet. Causes, treatment and prevention of common lameness problems, horseshoeing terminology and guidelines for assessing a proper horseshoeing job. (Grade or P/NP)
Prerequisites/Corequisites:
Recommended: Eligibility for ENGL 100 or ESL 100.
Limits on Enrollment:

Transfer Credit:
Repeatability: Total 2 Times

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:

CSU Transfer:	Effective:	Inactive:
UC Transfer:	Effective:	Inactive:

CID:

Certificate/Major Applicable:
Both Certificate and Major Applicable

COURSE CONTENT

Outcomes and Objectives:
The student will:
1. Identify all bones, major ligaments and tendons of the front and hind limbs and appraise their function.
2. Assess a sample foot and evaluate measures to gain proper balance.
3. Analyze various horses motion and appraise applicable training or shoeing techniques for maximum horse benefit.
4. Compare five unsoundnesses of the hoof and appraise their causes.
5. Diagram the internal and external parts of the hoof and analyze their function.
6. Examine hoof trimming tools and assess their function.
7. Appraise horse hooves for balance and design a plan to demonstrate proper balance by correct training.

Topics and Scope:

1. Basic anatomy of the skeleton of the horse
   a. Ligaments of the forelimb and hindlimb
   b. Tendons of the forelimb and hindlimb
2. Anatomy of the hoof
   a. Proper balance
   b. Diseases
   c. Terms and function of hoof parts
3. Horse motion
   a. Shoeing techniques
   b. Corrective and pathological shoeing
   c. Preventative shoeing
4. Unsoundness of hoof
   a. Conformation problems
   b. Thin walls

c. Dropped soles
5. Hoof trimming tools
   a. Function
   b. Costs
   c. Identification
6. Balance of the hoof
   a. Identify abnormalities
   b. Design a plan for proper balance
   c. Theory of restoring feet
7. Barefoot trimming
   a. Advantage and disadvantages
   b. Costs
   c. Skills needed
8. Effects of age, health, and conformation on feet

Assignment:

Assignments may include specific reading assignments from instructor prepared materials. Students may be asked to demonstrate proper horseshoeing techniques in a classroom setting. Students will be asked to solve the problem of hoof balance. Quizzes and exams will be included as objective evaluations.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.	Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Field work, Quizzes, Exams	Problem solving 20 - 30%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances, Performance exams	Skill Demonstrations 40 - 50%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Matching items, Completion	Exams 30 - 50%

Other: Includes any assessment tools that do not logically fit into the above categories.

None	Other Category 0 - 0%

Representative Textbooks and Materials:
HORSES: by J. Warren Evan, Third Edition, 2001; Freeman Publishers