

CATALOG INFORMATION

Dept and Nbr: AG 165

Title: EQUINE SCIENCE,SURVEY OF

Full Title: Survey of Equine Science

Last Reviewed: 10/22/2012

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: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: AG 265A

Catalog Description:

A survey of the equine industry including selection, feeding, breeding, handling, and diseases.

Prerequisites/Corequisites:

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:

Description: An introductory course covering topics within the equine industry including selection, feeding, handling, and diseases. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU GE:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>IGETC:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>
<b>UC Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>
<b>CID:</b>			

**Certificate/Major Applicable:**  
Not Certificate/Major Applicable

## **COURSE CONTENT**

### **Outcomes and Objectives:**

The student will:

1. Appraise common horse diseases and parasites and their control.
2. Select horses by live analysis and performance information.
3. Design a horse reproduction and breeding system according to sound management business practices.
4. Compare a minimum of eight common breeds of horses and assess their differences.
5. Design horse handling facilities with cost analysis of preparation.
6. Assess the nutrient requirements of different ages and uses of horses and how those requirements may be met.
7. Appraise career opportunities and requirements for successful employment from a historical point of view.

### **Topics and Scope:**

1. Unit One: Disease and Parasites
  - a. Common equine health problems
  - b. Parasite control
  - c. Health programs
2. Unit Two: Equine Selection
  - a. Functional anatomy
  - b. Selection
  - c. Evaluation of unsoundness
  - d. Vices
3. Unit Three: Breeding and Reproduction
  - a. Stallion management
  - b. The mare
  - c. Gestation
  - d. Foal management
4. Unit Four: Horse Breeds and Classes
  - a. Origin and adaptation
  - b. Classes

- c. Major uses
- 5. Unit Five: Equine Facilities and Equipment
  - a. Ranch layout
  - b. Facilities
  - c. Equipment identification and cost
- 6. Unit Six: Feeding and Nutrition
  - a. Digestion and utilization of feed
  - b. Nutrient requirements
  - c. Pasture management
- 7. Unit Seven: History and Development of the Horse Industry
  - a. Evolution and domestication of the horse
  - b. Historical and cultural uses
  - c. Economic importance and job placement

### Assignment:

Reading and study assignments may average twenty to thirty pages per week.  
A term paper (5-10 pages) is required.

### 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.

Term papers

Writing  
20 - 30%

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

Homework problems, Quizzes, Exams

Problem solving  
10 - 20%

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

Performance exams

Skill Demonstrations  
20 - 40%

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

Multiple choice, True/false, Matching items, Completion

Exams  
40 - 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: J.W. Evans, Third Edition, W. H. Freeman and Company, 2000

