

**AG 60.1 Course Outline as of Fall 2000****CATALOG INFORMATION**

Dept and Nbr: AG 60.1

Title: EQUINE NUTRITION

Full Title: Equine Nutrition

Last Reviewed: 3/9/2015

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.00	Lecture Scheduled	3.00	6	Lecture Scheduled	18.00
Minimum	1.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	18.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 36.00

Total Student Learning Hours: 54.00

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:

**Catalog Description:**

This course will enable a student to develop a horse feeding program with consideration given to horse types, level of activity, available feedstuffs, cost factors and basic nutritional requirements. Feeding for maintenance, growth and reproduction as well as feeding methods will be discussed. (Formerly AG 280.44).

**Prerequisites/Corequisites:****Recommended Preparation:****Limits on Enrollment:****Schedule of Classes Information:**

Description: This course will enable a student to develop a horse feeding program with regard to horse type, level of activity, available feedstuffs, cost factors and basic nutritional requirements. Feeding for maintenance, growth and reproduction as well as feeding methods. (Formerly AG 280.44). (Grade or P/NP)

Prerequisites/Corequisites:

Recommended:  
Limits on Enrollment:  
Transfer Credit: CSU;  
Repeatability: Two Repeats if Grade was D, F, NC, or NP

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

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective: Fall 2000	Inactive: Fall 2020
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

**Outcomes and Objectives:**

The student will:

1. Identify various primary and by-product feeds.
2. Analyze and comprehend various procurement of feed stuffs.
3. Formulate rations for various horse activities.
4. Demonstrate differences in equine digestive systems.
5. Apply changing nutritional requirements based upon animal physiological development.
6. Collect and calculate data used in ration formulation.

**Topics and Scope:**

- A. Introduction
  1. Digestion
  2. Common Feedstuffs
  3. Typical Problems
- B. Critical Nutrients
  1. Protein
  2. Minerals
  3. Vitamins
  4. Others
- C. Influences of Nutrient Requirements
  1. Maintenance
  2. Reproduction
  3. Growth
  4. Exercise
- D. Feedstuffs for Horses
  1. Forage

2. Energy feeds (grains)
  3. By-Products
  4. Protein supplements
  5. Water
- E. Methods of Feeding  
F. Ration Formulation & Feed Additives  
G. Feed Preparation  
H. Digestive Disturbances

### Assignment:

1. Reading assignments will be taken from periodical and text. Average 15 pages a week.
2. Worksheets, class notes, and study guides will be the writing assignments.

### 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.

Homework problems, Field work, Quizzes, Exams

Problem solving  
25 - 35%

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

Class performances, Field work, 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  
30 - 50%

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

Attendance

Other Category  
5 - 15%

### Representative Textbooks and Materials:

Industry handouts and class handouts will be utilized.

NUTRIENT REQUIREMENTS OF HORSES, National Research Council, 1989.