

**AG 61 Course Outline as of Fall 1981****CATALOG INFORMATION**

Dept and Nbr: AG 61 Title: FEEDS & FEEDING  
 Full Title: Feeds & Feeding  
 Last Reviewed: 4/5/2018

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 Only

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

Also Listed As:

Formerly:

**Catalog Description:**

Animal feeds; digestion; utilization and assimilation of feeds; metabolism and nutrient requirements of livestock; composition and nutritive values of animal feeds and computation of rations.

**Prerequisites/Corequisites:**

Not open to students who have completed AG 261.

**Recommended Preparation:**

Eligibility for English 100A or equivalent.

**Limits on Enrollment:****Schedule of Classes Information:**

Description: Animal feeds; digestion utilization & assimilation of feeds; metabolism & nutrient requirements of livestock; composition & nutritive values of animal feeds & computation of rations. (Grade Only)

Prerequisites/Corequisites: Not open to students who have completed AG 261.

Recommended: Eligibility for English 100A or equivalent.

Limits on Enrollment:

Transfer Credit: CSU; (CAN AG12)

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:
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<b>CSU Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:
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<b>UC Transfer:</b>		Effective:		Inactive:
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**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

**Outcomes and Objectives:**

The students will:

1. Evaluate common feeds fed to livestock.
2. Know the parts of the digestive system and the differences between types of animals.
3. Know the nutrients and their function.
4. Calculate the balanced ration for common farm animals.

**Topics and Scope:**

1. General basis of nutrition.
2. Digestion, absorption, transport, storage of food constituents in the animal body.
  - a. digestive tract and digestion
  - b. absorption
  - c. transport
  - d. storage
3. The nutrients and their metabolism.
  - a. carbohydrates
  - b. proteins
  - c. fats
  - d. minerals
  - e. vitamins
  - f. water
4. Measuring the body needs and feed values.
  - a. measuring the usefulness of foods
  - b. factors affecting value of feed
  - c. balancing rations
  - d. economy in livestock feeding
5. Feeding farm animals.

- a. general problems in beef production
- b. general problems in dairy production
- c. general problems in swine production
- d. general problems in sheep production
- e. computer use in balancing rations

**Assignment:**

Assignments will be taken from periodicals, handouts, and texts.

**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.

Essay exams	Writing 0 - 40%
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**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Quizzes, Exams	Problem solving 0 - 0%
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**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances	Skill Demonstrations 0 - 0%
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**Exams:** All forms of formal testing, other than skill performance exams.

Multiple choice, True/false	Exams 0 - 60%
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**Other:** Includes any assessment tools that do not logically fit into the above categories.

None	Other Category 0 - 0%
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**Representative Textbooks and Materials:**

LIVESTOCK FEEDS AND FEEDING by Church.