

**SEWARD COUNTY COMMUNITY COLLEGE
COURSE SYLLABUS**

I. TITLE OF COURSE: AG1243- Principles of Livestock Nutrition

**II. COURSE DESCRIPTION: 3 credit hours
3 credit hours of lecture and 0 credit hours of lab per week.**

This course will cover animal nutrition fundamentals, ration balancing, feed selection for types and ages of livestock and other phases of nutrition essential to understanding the feeding of livestock.

For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of class is expected.

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Pre-requisite: NA

III. PROGRAM AND/OR DEPARTMENT MISSION STATEMENT:

The agricultural program at Seward County Community College provides opportunities to further each student's knowledge and apply specific methods and techniques to the management and performance of agricultural operations.

IV. TEXTBOOK AND MATERIALS:

Livestock Feeds and Feeding, Sixth Edition, Richard O. Kellems and D.C. Church

V. SCCC OUTCOMES

Students who successfully complete this course will demonstrate the ability to do the following SCCC Outcomes.

I: Read with comprehension, be critical of what they read, and apply knowledge gained to real life

IV: Demonstrate mathematical skills using a variety of techniques and technologies.

V: Demonstrate the ability to think critically by gathering facts, generating insights, analyzing data, and evaluating information

VI: Exhibit skills in information and technological literacy

VI. COURSE OUTCOMES:

Students will acquire a basic knowledge of live-stock nutrition.

Students will be able correctly use the various components that make up livestock rations. The student will recognize and be able to adjust rations based on fundamentals of feeding livestock for maintenance, growth, and production.

The student will be knowledgeable of the various parts of the digestive tract in livestock.

The student will be able to develop a balanced ration for livestock.

The student will be able to identify and correctly utilize the various feedstuffs.

VII. COURSE OUTLINE:

1. Introduction to Feeds and Feeding
2. Feed Nutrition

3. Feed Stuffs
4. Balancing Rations

VIII. INSTRUCTIONAL METHODS:

Lecture/Discussion
Class discussion and activities
Worksheets/Handouts
Reading assignments
Lab assignments

IX. INSTRUCTIONAL AND RESOURCE MATERIALS:

(Available from instructor)
Pork Industry Handbook, KSU Extension.
Kansas Beef Cattle Handbook, KSU Extension.
Livestock Feeds and Feeding, Second Edition by Church, 1984.
Oklahoma State University Master-A (computer software series). Complete Feed Formulation and Calculation System.
Basic Animal Nutrition and Feeding, 3rd Edition, D.C. Church & W.G. Pond.
The sheepman's production handbook, sheep industry development program handbook

X. METHODS OF ASSESSMENT:

Methods of assessing the general course outcomes and the specific course competencies include tests, daily work, ration balancing, class attendance, and participation.
SCCC Outcome #1 will be assessed and measured by class participation, assignments, quizzes, and ration balancing.
SCCC Outcome #4 will be assessed and measured by Ration Balancing assignments.
SCCC Outcome #5 will be assessed and measured by daily assignments and ration balancing.
SCCC Outcome #6 will be assessed and measured by computer assignments due regarding ration balancing.

XI. ADA STATEMENT:

Under the Americans with Disabilities Act, Seward County Community College will make reasonable accommodations for students with documented disabilities. If you need support or assistance because of a disability, you may be eligible for academic accommodations. Students should identify themselves to the Dean of Students at 620-417-1106 or going to the Student Success Center in the Hobbie Academic building, room 149 A.