

Course Outcome Guide (COG)

Course:	ANSC 123 – Feeds and Feeding	Credits:	3	Instructor:	Jessalyn Bachler
Course Description:	Principles of feeding livestock including digestive systems, nutrient requirements, nutrient characteristics, and sources utilized in the formulation of balanced rations.				
Concepts and Issues	Process Skills	Assessment Tasks	Intended Outcomes		
			Course	General Education or Program	Institutional
<ul style="list-style-type: none"> • Monogastric digestive system • Ruminant digestive system • Feedstuff classifications • Digestion and absorption • Pearson Square • Calculating crude protein content • Calculating feed costs • Dietary energy • Carbohydrates • Proteins • Lipids • Minerals • Vitamins • Water • Feeding swine, beef, dairy, sheep and, horses 	<ul style="list-style-type: none"> • Define nutrition and terms associated with it • Identify parts and types of digestive systems • Categorize feedstuffs • Discover sampling tactics • Examine different nutrients needed • Calculate rations 	<ol style="list-style-type: none"> 1.) Complete textbook readings, questions, and problems demonstrating mastery of both concepts and process skills. 2.) Complete examinations demonstrating mastery of both concepts and process skills. 3.) Complete formulations of rations for many species of animals, both by hand and by computer program. 	<ol style="list-style-type: none"> 1.) Express working knowledge of animal nutrition 2.) Classify common feedstuffs 3.) Calculate ration formulations 	<ol style="list-style-type: none"> 1.) Lifelong learning (or realization that learning is a continuous process of evaluation and reevaluation). 2.) Critical thinking (or the ability to identify and define criteria understand biases, and construct objective judgments). 3.) Analogical thinking (or using former knowledge and experience to help comprehend and explain new situations). 	<ol style="list-style-type: none"> 1.) Students will demonstrate effective communication skills. 2.) Students will use reasoning skills to analyze and solve problems.