

Course Outcome Guide (COG)

Course:	ANSC 220 – Livestock Production	Credits:	3	Instructor:	Jessalyn Bachler
Course Description:	General production and management of major meat animal species. Topics include production systems, feeding, facilities management, health, economics, and marketing.				
Concepts and Issues	Process Skills	Assessment Tasks	Intended Outcomes		
			Course	General Education or Program	Institutional
<ul style="list-style-type: none"> • Beef, sheep, swine, and dairy production systems • Beef, sheep, swine, and dairy genetic and breeding systems • Beef, sheep, swine, and dairy herd health • Beef, sheep, swine, and dairy nutrition • Beef, sheep, swine, and dairy reproduction • Beef, sheep, swine, and dairy facilities • Beef, sheep, swine, and dairy marketing 	<ul style="list-style-type: none"> • Terminologies of production systems • Flow charts and graphs of steps of production systems, breeding systems and facilities • Expected Progeny Data (EPD) for genetic expectation interpretations • Current research on herd health issues • Treatment and vaccination administration location and options • Basic interpretations of required nutrition • Estrus and estrous differentiation • Estrous cycle understanding • Newest technologies in the livestock reproduction area 	<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 physical labs to demonstrate the understanding of concepts. 	<ol style="list-style-type: none"> 1.) Differentiate production, breeding, and herd health systems of the major meat animal industries. 2.) Evaluate production livestock based on genetics and performance records. 3.) Evaluate various reproduction enhancements and common management practices. 	<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. 3.) Students will demonstrate knowledge of diverse cultures and value systems.