Course Outcome Guide (COG)

Course:	RNG 236 – Introduction to Range Management	**Credits:**	3	**Instructor:**	Jessalyn Bachler
Course Description:	Principles of range management, including plant identification and, range/pasture evaluation and improvement.				

Concepts and Issues	Process Skills	Assessment Tasks	Intended Outcomes		
			Course	General Education or Program	Institutional
• Rangeland and human interactions • Plant physiology • Plant morphology • Ecology • Inventory control and stocking • Grazing systems • Pasture management	• History and overview of range management • Range plant ID of grasses, forbs, sedges, rushes, and woodies • Understanding of growing point locations • Understanding of vegetative and reproductive stages • Understanding of ecosystem processes and relationships • Monitoring plants and managing grazing • Identify different grazing systems and opportunities with each • Monitor and improve pasture conditions	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 rangeland concepts, including plant ID and pasture/grazing management.	1.) Express possible improvements through range/pasture evaluation, planning and monitoring. 2.) Identify common range plants found in ND and correlate each plant with proper indicators. 3.) Identify different types of grazing systems. 4.) Use grazing system management for specific scenarios.	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).	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.