

Range Livestock Management

Ensure sustainable use of rangelands by livestock and wildlife.

THIS MAJOR IS A GOOD FIT IF YOU CAN SEE YOURSELF:

WORKING ON A RANCH or for a government agency that manages public lands

LEARNING ABOUT NUTRITIONAL NEEDS of animals such as cattle, sheep, horses, and goats

HELPING protect the environment

This option teaches you all aspects of animal health and nutrition. It also provides training in rangeland management, including how to measure plant health, soil erosion, and water use. Learn how to assess the nutritional needs of a herd and the condition of public rangelands to make important decisions about land use. Of all the land in Idaho, nearly half is rangeland.

This major is offered in conjunction with faculty in the UI Department of Rangeland Ecology and Management.

INSIDE THE CLASSROOM

Explore topics such as ruminant nutrition and grazing management systems in class and at on-campus animal centers. Our beef center has more than 50 purebred cows, and our sheep center over 100 breeding Suffolk ewes. Take field trips to rangelands and ranches and observe how different grazing strategies affect public lands. Senior year, you and your classmates will become consultants for real-world clients. Camp on rangeland for four days to gather information and interview ranchers and habitat managers. Prepare oral and written reports with recommendations that take an integrated approach to managing livestock grazing, water, fire, recreation, and wildlife.

OUTSIDE THE CLASSROOM

INTERN. Get practical experiences like these: **NANCY M. CUMMINGS RESEARCH, EXTENSION AND EDUCATION CENTER** Help feed and care for 400 cross-bred mother cows at the UI's ranch near Salmon, Idaho . . . **U.S. FOREST SERVICE RANCH** Monitor the plant and soil quality of grazed rangelands . . . **RANCH** Help in the daily care and management of the herd.

STUDY ABROAD. Deepen your understanding of your major—and the world—in countries like these: **MEXICO** Tour a family-owned ranch . . . **TAIWAN** Explore land use in a small country . . . **AUSTRALIA** Visit a country that prizes its beef and sheep industries.

DO RESEARCH. Make hands-on discoveries. Analyze feed samples in beef and sheep nutrition labs. Determine the hormone composition of blood in bovine and equine reproductive physiology labs. Gather data about invasive weeds. Care for animals at the beef and sheep centers. Paid positions are available.

GET INVOLVED. Network and have fun. **SOCIETY FOR RANGE MANAGEMENT** Join the student chapter. Compete in the plant identification contest . . . **STUDENT IDAHO CATTLE ASSOCIATION, LIVESTOCK AND MEATS JUDGING TEAMS, BLOCK AND BRIDLE** . . . Visit farms and ranches. Judge and show livestock.

FASTFACT

The UI Nancy M. Cummings Research, Extension and Education Center spans 1,000 acres and is home to pioneering studies on animal identification systems, genetic improvement, reproductive efficiency, forage production, and grazing practices.

CAREER OPPORTUNITIES

Almost all of our graduates receive job offers upon graduation, with starting salaries of up to \$40,000. Range livestock management majors generally work for ranches or for government agencies.

Here are a few possibilities:

RANGELAND ANALYST. Gather and interpret data on the use of rangelands for a state or federal agency.

OUTREACH COORDINATOR. Work for a federal or state agency providing in-field technical assistance to ranchers on use of public rangelands.

LIVESTOCK PRODUCTION MANAGER. Manage the production processes of a beef or sheep ranch or feedlot.

CONSULTANT. Help private landowners make range management plans.

COMBINE YOUR EDUCATION. Take additional courses in wildlife management, forestry, watershed management, outdoor recreation, soils, agricultural economics, or animal science.

CONTINUE YOUR EDUCATION. Pursue an advanced degree in natural resources ecology, soils, or plant or animal science.

FIND OUT MORE ABOUT THE UNIVERSITY OF IDAHO RANGE LIVESTOCK MANAGEMENT MAJOR

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	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR	
FALL	AVS 101 2 Animal & Veterinary Orientation <i>or</i> REM 102 1 Opportunities in Rangeland Ecology & Management	Biol 116 4 Organisms & the Environment	AVS 305 4 Animal Nutrition	Fish 435 3 Wetland Ecology & Management (<i>or</i> Fish 430 spring semester)	
	AVS 109 3 Science of Animals that Serve Humanity	Chem 275 3 Carbon Compounds	Econ 202 3 Principles of Economics	REM 357 3 Rangeland & Riparian Habitat Assessment	
	Comm 101 2 Fundamentals of Public Speaking	REM 221 3 Ecology	Engl 317 3 Technical Writing	REM 459/460 3 Rangeland Ecology/Field Studies	
	CORE 103-149 4 Core Discovery Course	REM 251 3 Principles of Range Resource Management	For/CSS 235 3 Society & Natural Resources	AVS/REM 6 Electives—AVS/Range	
	Engl 101 3 Intro. to College Writing	Elective 3 Elective—Core	REM 353 3 Rangeland Plant Identification & Ecology (<i>or</i> Biol 341 spring semester)	Elective 3 Elective	
	Math 143 3 Pre-calculus Algebra & Analytic Geometry		Elective 3 Elective—Core		
	TOTAL 16-17	TOTAL 16	TOTAL 16-19	TOTAL 18	
	SPRING	AVS 209 3 Science of Animal Husbandry	AVS 222 3 Animal Reproduction & Breeding	AVS 306 4 Feeds & Ration Formulation	AVS 450 1 Issues in Animal Agriculture
		Biol 115 4 Cells & the Evolution of Life	Biol 213 4 Principles of Biological Structure & Function	Biol 341 3 Systematic Botany (<i>or</i> REM 353 fall semester)	AVS 474 3 Beef Cattle Science
		Chem 111 4 Principles of Chemistry I	Econ 201 3 Principles of Economics	REM 440 3 Wildland Restoration Ecology	Fish 430 2 Riparian Ecology & Management (<i>or</i> Fish 435 fall semester)
CORE 153-199 3 Core Discovery Course		Soil 205/206 4 Soil Ecosystem/Lab	Elective 3 Elective—Core	REM 456 3 Integrated Rangeland Management	
Engl 102 3 College Writing & Rhetoric		Stat 251 3 Statistical Methods	Elective 3 Elective—International	AVS/REM 3 Elective—AVS/Range	
TOTAL 17		TOTAL 17	TOTAL 13-16	TOTAL 15-17	
				Electives 5 Electives	

Total for degree = 132 credits. Course offerings may change from year to year. Always check the current course catalog.

TO LEARN MORE
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"I selected my major because it combines my interest in animals with my desire to protect the environment."

SAMANTHA CLARK, *range livestock management major*