

## **Assistant Professor of Rangeland Herbivore Ecology and Management**

### **Department of Ecosystem Science and Management, College of Agriculture and Natural Resources, University of Wyoming**

The University of Wyoming invites applications for a tenure-track Assistant Professor with research expertise in large herbivore ecology and management, focusing on semiarid and arid rangeland livestock systems. This appointment, along with a position in Rangeland Vegetation Ecology

([https://jobs.uwyo.edu/psp/EREC/UWEXTERNAL/HRMS/c/HRS\\_HRAM.HRS\\_CE.GBL?Page=HRS\\_CE\\_JOB\\_DTL&Action=A&SiteId=6&JobOpeningId=9456&PostingSeq=1](https://jobs.uwyo.edu/psp/EREC/UWEXTERNAL/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_JOB_DTL&Action=A&SiteId=6&JobOpeningId=9456&PostingSeq=1)), will contribute to the rangeland ecology and management program in the Department of Ecosystem Science and Management (ESM) (<http://www.uwyo.edu/esm/>), the PhD Program in Ecology (<http://www.uwyo.edu/pie/>), and an emerging, interdisciplinary Spatial Sciences Initiative. The successful candidate is expected to build a strong extramurally-funded research program in large herbivore ecology and management. This program will strengthen ecological understanding of the spatial and temporal processes of plant-herbivore interactions on rangelands that provide novel insights to inform rangeland management for state and federal agencies, and production and conservation organizations. A typical research/teaching/service position such as this one in ESM includes teaching 3 courses per year (2 undergraduate and 1 graduate). The selected candidate will teach required undergraduate courses (Nutritional Ecology and Management of Rangeland Herbivores [REWM 4100/5100] and 1 other semester course per year), be involved in coaching undergraduate students on Society for Range Management (SRM) academic teams, advise undergraduate students, design and teach a new course to graduate students (taught one semester per year), mentor graduate students, and provide departmental, university, and professional service.

#### **Minimum Qualifications**

1. PhD in Rangeland Ecology, Range Science, Animal Science, Wildlife Ecology, or related discipline.
2. Strong publication record in top management and ecological journals that includes work concerning spatial processes of plant-livestock interactions in rangeland systems.
3. Demonstrated record of grantsmanship and high potential for establishing an extramurally funded research program that includes applied and basic research.
4. High potential for effective teaching. Specifically, the ability to teach rangeland herbivore nutritional ecology and management (REWM 4100/5100) and other undergraduate and graduate courses in rangeland ecology and management.
5. Expertise in spatial science.

#### **Preferred Qualifications**

1. Postdoctoral or equivalent research experience.
2. Demonstrated university-level teaching experience, with preference for record of independent teaching. Experience teaching courses in rangeland ecology and management, or livestock behavior or nutrition courses will be looked upon favorably.

3. Preference for candidates with the ability to develop teaching, research, and service programs in ecology and management of rangeland ecosystems of western North America including wild and domestic rangeland large herbivores that characterize these landscapes.
4. Demonstrated use of conventional and emerging spatial and analytical tools to answer complex questions regarding plant-large herbivore interactions in rangeland systems. Specific tools will depend on the research emphases of the successful candidate, but examples include: quantitatively intensive techniques; remote sensing; spatial analysis; expertise in toxic plant properties and effects on livestock and wildlife; modeling distribution or habitat selection for rangeland herbivores; analyses of vegetation quantity/quality that influence large herbivore nutrition and distribution; and new tools to evaluate diet quality (e.g., NIRS) and composition (e.g., DNA meta-barcoding).
5. Record of membership and involvement in SRM or other natural resource management-oriented professional organizations, and experience and interest in collaborating with state and federal agencies and livestock producers to advance conservation and management decisions.

*The University of Wyoming invites diverse applicants to consider our employment opportunities. We are also especially interested in candidates who have experience working with diverse populations and/or diverse initiatives.*

**About UW:** The University of Wyoming (UW) is the state's only provider of baccalaureate and graduate education, research, and outreach services. UW combines major-university benefits and small-school advantages, renowned faculty, and world-class research facilities all set in the backdrop of southeastern Wyoming's rugged mountains and high plains. UW offers varied academic and lifestyle opportunities including year-round cultural and recreational activities. UW is 5th in America's Best College Buys, offers a low student/faculty ratio, and is among the nation's top universities ranked by U.S. News & World Report and Forbes. Located in Laramie, UW offers 197 areas of study and draws over 13,000 students from all 50 states and more than 90 countries. Laramie offers excellent schools, a hospital, and several long-term care facilities. UW cultural programming provides the community with many cultural experiences throughout the year. The nearby Medicine Bow-Routt National Forest and Rocky Mountains provide quick access to outdoor activities on public lands. Denver, Colorado, located 2½ hours south of Laramie offers shopping, concerts, theatre, professional sports, and international flight connections.

Additional information regarding the College of Agriculture and Natural Resources can be found at (<http://www.uwyo.edu/uwag/>), the Department of Ecosystem Science and Management at (<http://www.uwyo.edu/esm/index.html>), the Rangeland Ecology and Watershed Management undergraduate degree at (<http://www.uwyo.edu/esm/undergraduate-programs/>), and ESM graduate degrees at (<http://www.uwyo.edu/esm/graduate/prospective/majors/rangeland.html>).

For more information about the region, please visit <http://visitlaramie.org/>

**Required Materials**

Complete an on-line application and upload the following **as a single PDF document (job ID 9490)**:

[https://jobs.uwyo.edu/psp/EREC/UWEXTERNAL/HRMS/c/HRS\\_HRAM.HRS\\_CE.GBL?Page](https://jobs.uwyo.edu/psp/EREC/UWEXTERNAL/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page)

1. Cover letter
2. Curriculum vitae
3. Research statement
4. Teaching philosophy
5. Statement about the applicant's commitment and ability to work with and include diverse participants in science education and scholarship
6. Contact information for three work-related references

Review of applicants begins **30 March 2018**.

For questions regarding this position please email the search committee chair, Dr. Jeff Beck ([jlbeck@uwyo.edu](mailto:jlbeck@uwyo.edu))