

**From:** Melanie Murphy  
**Subject:** Assistant Professor - Rangeland Vegetation Ecology

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Assistant Professor of Rangeland Vegetation Ecology  
Department of Ecosystem Science and Management  
University of Wyoming

The University of Wyoming Department of Ecosystem Science and Management invites applications for a tenure-track Assistant Professor with research expertise in rangeland vegetation ecology. Additionally, the position will contribute to the Spatial Sciences Initiative and the graduate Program in Ecology ([https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_www.uwyo.edu\\_pie\\_&d=DwIF-g&c=Ngd-ta5yRysqeUsEDgxhcqsYYY1Xs5ogLxWPA\\_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeATyN59ZLol&m=9WqwwRSSTbSb-8tqGhJn7nscHDZJeoL\\_8JxBbTqOVOM&s=GSyFg4VRt7oCzFCCxZdEUGxHbpBDxH\\_Nr9GmHkvB7pQ&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.uwyo.edu_pie_&d=DwIF-g&c=Ngd-ta5yRysqeUsEDgxhcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeATyN59ZLol&m=9WqwwRSSTbSb-8tqGhJn7nscHDZJeoL_8JxBbTqOVOM&s=GSyFg4VRt7oCzFCCxZdEUGxHbpBDxH_Nr9GmHkvB7pQ&e=)). The successful candidate is expected to build a strong research program in rangeland vegetation ecology that advances ecological understanding of rangeland systems and provides novel insights to inform rangeland management. In addition, the successful candidate will provide undergraduate teaching (including Range Ecosystems and Plants [REWM 2400], coaching the undergraduate Society for Rangeland Management (SRM) plant ID team, advising undergraduate students), graduate teaching (design and teach graduate course(s), mentor graduate students), curate the range herbarium, and provide departmental, university, and professional service.

#### Minimum Qualifications

1. PhD in Rangeland Ecology, Ecology, Botany, or closely related field with a strong publication record of rangeland research in top ecological and management journals.
2. Record of grantsmanship and high potential for establishing an extramurally funded research program that includes basic and applied research.
3. High potential for effective teaching. Specifically, the ability to teach rangeland plant identification and other undergraduate courses in rangeland ecology and management
4. Research and teaching that incorporates spatial sciences as the successful candidate will contribute to Spatial Science Initiative.

#### Preferred Qualifications

1. Post-PhD research experience.
2. In-depth understanding of current tools and concepts in rangeland ecology and management, with preference for candidates with expertise in western North American rangeland systems.
3. Demonstrated use of spatial analytical and statistical tools to better understand rangeland vegetation ecology (e.g., remote sensing, spatial analysis, analytically intensive techniques).
4. Demonstrated university-level teaching experience, with preference for record of independent teaching.
5. Experience in addressing applied ecological questions with direct application implications as demonstrated by publication history, record of membership and involvement in SRM or other natural resource management-oriented professional organization(s), and experience and interest in collaborating with state and federal agencies 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. Recognized as 5th in America's Best College Buys, UW offers over 150 areas of study, 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 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 National Forest and Rocky Mountains provide quick access to outdoor activities on public lands. Denver, 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

#### Required Materials

Complete an on-line application and submit the following as one PDF document ([Cover letter](https://urldefense.proofpoint.com/v2/url?u=http-3A__bit.ly_2xXhBS1&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxhcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeTyN59ZLol&m=9WqwwRSS TbSb-8tqGhJn7nscHDZJeoL_8JxBbTqOVOM&s=EU3-iPOR5e5Ihilli5PugnE94PJKZqyrAVnbFLEahho&e= jobID 9456) :</a></p></div><div data-bbox=)

Curriculum vitae

Research Statement

Teaching Philosophy

Statement regarding commitment and ability to work with and include diverse participants in science education and scholarship.

Contact information for three work-related references

Complete applications received by 16 March 2018 will received full consideration. Questions, please contact the search committee chair at [melanie.murphy@uwyo.edu](mailto:melanie.murphy@uwyo.edu).