

POSITION DESCRIPTION



Assistant Professor Forest Ecology and Geospatial Analytics

Department of Natural Resource Ecology and Management
Division of Agricultural Sciences and Natural Resources
Oklahoma State University

Description:

The Department of Natural Resource Ecology and Management (NREM) at Oklahoma State University invites applications for a full-time, eleven-month, tenure-track position (60% teaching and 40% research) at the rank of Assistant Professor in Forest Ecology and Geospatial Analytics. The teaching appointment is in the College of Agricultural Sciences and Natural Resources (CASNR), and the research appointment is in the Oklahoma Agricultural Experiment Station (OAES). This position reports directly to the department head.

Oklahoma State University is a leading land-grant university in a region represented by an environmental gradient that ranges from pine and oak forests with >1400 mm of rainfall to shortgrass prairie and pinyon-juniper rangelands with <600 mm of rainfall. The NREM department is composed of a diverse group of faculty with expertise in aquatics, fisheries, forestry, rangeland, and wildlife resources, employs 20 faculty and 9 support staff, and houses the Oklahoma Cooperative Fish and Wildlife Research Unit.

Responsibilities:

The successful candidate will teach and conduct research in the area of Forest Ecology and Geospatial Analytics in cooperation with NREM faculty and other natural resource professionals. The individual is expected to develop an independent research program and to participate in collaborative research and teaching activities with appropriate departments and OAES faculty. Working relationships with other OSU units and professionals within the region and the nation are strongly encouraged and expected. Specific responsibilities include:

1. Develop and teach 1) an introductory undergraduate course in geospatial analysis for natural resource management, 2) an advanced undergraduate course that emphasizes application of geospatial analytics to natural resource management, 3) an undergraduate course in forestry relevant to the expertise of the successful candidate, and 4) a graduate-level course in spatial and non-spatial database management. Other courses may be developed/taught to fit with the needs of the department and/or the faculty member's interests.
2. Establish a nationally recognized, externally funded research program concordant with the land grant mission that focuses on 1) the ecology of forests and other wildland ecosystems, and 2) geospatial analysis in the management of wildland ecosystems with emphasis on forests and rangeland ecosystems. Examples of potential research topics include disturbance effects on vegetation, nutrient and carbon cycling, wildlife habitat, and ecosystem services and sustainability.
3. Recruit, mentor, and train graduate students.
4. Advise and mentor undergraduate students.
5. Serve on Departmental, Division and University committees appropriate to interests, responsibilities, and organizational mission.

Qualifications:

1. A Ph.D. in natural resources ecology, or closely related field from an accredited university is required.
2. Demonstrated ability and strong interest in instruction and advisement of undergraduate and graduate students.
3. Demonstrated ability and strong interest in collaborative research with natural resource research scientists and other natural resource professionals to develop and maintain an active research program, to include publishing in leading scientific journals, and demonstrated interest and ability to seek and secure extramural funding to support research.

Application Procedures:

Applications must be submitted online at:

<https://jobs.okstate.edu> (search by keyword req3688)

Applicants should submit: 1) a cover letter, 2) statement of research interests and philosophy, 3) statement of teaching interests and philosophy, 4) curriculum vitae, 5) academic transcripts, 6) up to three reprints of journal publications, and 7) contact information for three references. Review of applications will begin on September 22, 2017, and will continue until a suitable applicant is identified. The position will be filled by January 1, 2018, or as soon thereafter as a qualified candidate is available. Salary will be commensurate with qualifications and experience.

For more information about the department, visit <http://nrem.okstate.edu>.

Questions concerning this position should be directed to:

Dr. Rod Will, Chair
Search and Screen Committee – Forest Ecology and Geospatial Analytics
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Equal Employment Opportunity:

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