



Soil and Water Sciences  
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**POSITION ANNOUNCEMENT # 0001-3331  
Position Requisition # 504820**

**Title:** Assistant Professor –Watershed Science/Soil Physics

**Location:** Soil and Water Sciences Department  
University of Florida  
Institute of Food and Agricultural Sciences (IFAS)  
Gainesville, Florida

**Salary:** Commensurate with Qualifications and Experience

**Review Date:** For full consideration, candidates should apply and submit additional materials by December 10, 2017. The position will remain open until a viable applicant pool is determined.

**Duties and Responsibilities**

This is a 12-month tenure-accruing position that will be 60% teaching (College of Agricultural and Life Sciences, CALS), 40% research (Florida Agricultural Experiment Station) and 0% extension (Florida Cooperative Extension Service), available in the Soil and Water Sciences Department (SWSD), Institute of Food and Agricultural Sciences, at the University of Florida. This assignment may change in accordance with the needs of the unit.

The incumbent is expected to teach four courses annually, in support of the teaching curriculum in the Department. Available courses include (1) Sustainable Agricultural and Urban Land management; (2) Urban Soil and Water Systems; (3) Land and Life – A general education course; and (4) The Science of Water- A new course to be developed at 3000 level. The successful candidate will engage in scholarly activities related to instruction, including teaching undergraduate and/or graduate courses, advising and mentoring undergraduate and graduate students, participating in curriculum revision and enhancement, and seeking funding for the teaching program. In addition, the incumbent is expected to contribute to the scholarship of teaching, develop new learning tools and methods, and engage in professional development activities related to teaching and advising. Faculty members are encouraged to support and participate in the CALS Honors Program, distance education, and international educational activities.

The research component of this position will focus on watershed-scale management of soil and water resources in the critical zone. This program area integrates theoretical and applied approaches to explore

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the complex physical, chemical, and biological processes associated with coupled hydrologic and biogeochemical cycles, and interactions between the soil zone, the biosphere, atmosphere, hydrosphere and lithosphere. Specific applications and methodological approaches of interest include 1) interfaces between natural and managed (e.g., agricultural and urban) landscapes, 2) emphasis on vadose zone hydrology and/or solute transport at a range of spatial and temporal scales, 3) integration of landscape-scale remote sensing data with quantitative modeling. Research applications may be in a range of ecosystems as related to plant productivity, water quality and quantity, water use efficiency, greenhouse gas emissions, and climate change.

Tenure will accrue in the Soil and Water Sciences Department. The faculty member will actively participate in undergraduate and graduate education by chairing graduate committees, serving on graduate committees, supervising thesis and dissertation research, supervising undergraduate research, and publishing the results with his/her graduate students. The faculty member will seek contract and grant funding actively to support his/her teaching and research program. Because of the IFAS land-grant mission, all faculty are expected to be supportive of and engaged in all three-mission areas—Research, Teaching and Extension - regardless of the assignment split specified in the position description.

### **Qualifications**

#### **Required:**

A doctorate (foreign equivalent acceptable) in soil and water sciences with specialization in hydrology, soil physics, or a closely related discipline is required. Candidates should have demonstrated skills in verbal and written communication, interpersonal relationships, and procurement of extramural funding. Candidates must be supportive of the mission of the Land-Grant system. Candidates must also have a commitment to IFAS core values of excellence, diversity, global involvement, and accountability.

#### **Preferred:**

Demonstration of teaching skills and experience and teaching scholarship is highly desirable. A strong background in physical/process based modeling and/or advanced statistical modeling is advantageous. Training and post-doctoral experience in working with interdisciplinary teams and in the use of state-of-the-art tools are highly desirable. Candidates should have the demonstrated ability or potential to develop integrated teaching, research and/or extension programs in the discipline.

### **Background Information:**

The SWSD has established itself as a leader in teaching, research, and extension/outreach programs in management and restoration of soil and water resources. The interdisciplinary nature of SWSD programs provides students and faculty an opportunity to conduct basic and applied research at multiple (molecular to landscape) scales to solve environmental problems, protect, manage land, and water resources. Details about the SWSD can be found at <http://soils.ifas.ufl.edu>

The University of Florida (<http://www.ufl.edu>) is a Land-Grant, Sea-Grant, and Space-Grant institution, encompassing virtually all academic and professional disciplines, with an enrollment of more than 53,000 students. UF is a member of The Association of American Universities. The Institute of Food and Agricultural Sciences (<http://ifas.ufl.edu>) includes the College of Agricultural and Life Sciences (<http://cals.ufl.edu>), the Florida Agricultural Experiment Station (<http://research.ifas.ufl.edu>), the Florida Cooperative Extension Service (<http://extension.ifas.ufl.edu>), the College of Veterinary Medicine (<http://www.vetmed.ufl.edu>), the Florida Sea Grant program (<http://www.flseagrant.org/>), and

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encompasses 16 on-campus academic departments and schools, 12 Research and Educational Centers (REC) located throughout the state, 6 Research sites/demonstration units administered by RECs or academic departments, and Florida Cooperative Extension Service offices in all 67 counties (counties operate and maintain). The School of Natural Resources and Environment is an interdisciplinary unit housed in IFAS and managed by several colleges on campus. IFAS employs over 2500 people, which includes approximately 900 faculty and 1200 support personnel located in Gainesville and throughout the state. IFAS, one of the nation's largest agricultural and natural resources research and education organizations, is administered by a Senior Vice President and four deans: the Dean of the College of Agricultural and Life Sciences, the Dean for Extension and Director of the Florida Cooperative Extension Service, the Dean for Research and Director of the Florida Agricultural Experiment Station, and the Dean for the College of Veterinary Medicine. UF/IFAS also engages in cooperative work with Florida A&M University in Tallahassee.

### **Employment Conditions**

This position is available **December 10, 2017**, and will be filled as soon thereafter as an acceptable applicant is available. Compensation is commensurate with the education, experience, and qualifications of the selected applicant.

### **Nominations**

Nominations are welcome. Nominations need to include the complete name and address of the nominee. This information should be sent to:

Please refer to Requisition # 504820

Dr. James Jawitz  
Chair, Search and Screen Committee  
Soil and Water Sciences Department  
University of Florida, Gainesville, FL 32611  
Telephone: 352-294-3141  
Facsimile: 352-392-3399  
Electronic Mail: [jawitz@ufl.edu](mailto:jawitz@ufl.edu)

### **Application Information**

Individuals wishing to apply should go online to <http://explore.jobs.ufl.edu/cw/en-us/job/504820/> and submit:

- Application
- Cover letter that states applicant's interest in the position and qualifications relative to the credentials listed above
- Curriculum vitae
- Contact information (including email addresses) for four individuals willing to write letters of recommendation
- Unofficial transcripts

Final candidate will be required to provide official transcript to the hiring department upon hire. A transcript will not be considered "official" if a designation of "Issued to Student" is visible. Degrees earned from an education institution outside of the United States are required to be evaluated by a

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professional credentialing service provider approved by National Association of Credential Evaluation Services (NACES), which can be found at <http://www.naces.org/> .

*The University of Florida is an Equal Opportunity Institution dedicated to building a broadly diverse and inclusive faculty and staff. The selection process will be conducted in accord with the provisions of Florida's 'Government in the Sunshine' and Public Records Laws. Persons with disabilities have the right to request and receive reasonable accommodation.*

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