Soil and Water Science

Soil and water are among the most important of all natural resources. Maintaining soil and water quality is essential to sustainable agricultural productivity and protection and conservation of industrial resources. The Soil and Water Science Department offers excellent research and educational facilities for students seeking careers in soil and water science in land and water resource management, related to water quality, climate change, ecosystem restoration, and public health.

Research in form of thesis projects is facilitated by University of Florida’s main campus and multiple Research and Education Centers in Florida and/or in collaboration with accredited academic research institutions/universities around the globe.

The Soil and Water Science Department engages in hot topic research focused on environmental issues of micro, field, regional and global scales. Experiential, hypothesis-driven, or applied research projects are conducted by students. The department offers students experiential and hands-on learning experiences through course work, research projects, and one-on-one advising.

The five departmental research focus areas are:
1) Nutrient, Pesticide, and Waste Management
2) Soil, Water, and Aquifer Remediation
3) Carbon Dynamics and Ecosystem Services
4) Wetlands and Aquatic Ecosystems
5) Landscape Analysis and Modeling

Delivery Modes
We use state-of-the-art electronic learning tools and course management systems to bring the classroom to your home. Classroom contact students interact with instructors and allow live discussions of course material facilitated by Adobe Connect. Course material is provided in the form of eLectures, digital reading material, Reusable Learning Objects (RLOs) and blogs.

Learning Tools
Include quizzes, white boards, virtual computer labs, and more.

University of Florida
Institute of Food and Agricultural Sciences
Soil and Water Science Department
106 Newell Hall
PO Box 110510
Gainesville, FL 32611
Phone: (352) 392-1803
Fax: (352) 392-3399
Email: soils@ifas.ufl.edu

Soil and Water Science Department
Distance Education Graduate Program
In Environmental Science

http://soils.ifas.ufl.edu/distance

CALS DE programs:
http://cals.ufl.edu/distance

Contacts
K. Ramesh Reddy
Distance Education Coordinator
(352) 392-1803
KRR@ufl.edu

Andy Ogram
Graduate Coordinator
(352) 392-1351 ext. 211
aogram@ufl.edu

Michael Sisk
Student Services Specialist
(352) 392-1804 ext. 341
mjsisk@ufl.edu

SWS DE programs:
http://soils.ifas.ufl.edu/distance

CALS DE programs:
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Soil and Water Science

College of Agricultural and Life Sciences

http://soils.ifas.ufl.edu/distance

http://cals.ufl.edu/distance
Graduate Track in Environmental Science

The University of Florida Soil and Water Science Department offers a unique online Master of Science (Environmental Science Track). Courses are offered via distance education to accommodate place-bound students interested in environmental issues related to soil and water quality on agricultural lands, forested lands, range lands, urban lands, and waters or aquatic systems. This distance education track is designed for students who want to enhance their knowledge in environmental science ranging from extension agents, state and federal employees, consultants or students who want to pursue an academic career.

The Soil and Water Science Department also offers Ph. D. Programs in Soil and Water Science and Environmental Science. For information visit: http://soils.ifas.ufl.edu

Geographic Flexibility
No matter where you live, you have the opportunity to earn a graduate degree from the University of Florida. With the use of high speed internet, students interact with classmates and instructors in real-time from anywhere in the United States as well as around the world. Research can be conducted at one of the UF Research and Education Centers or accredited academic research institutions elsewhere.

Time Flexibility
The Distance Education Graduate Track is designed specifically for students with full-time jobs, families, or other obligations that consume a large portion of their lives.

Program Profile Master of Science (M.S.)

Credits
30 credits - thesis
30 credits - non-thesis (professional M.S.) (up to 15 graduate credits with grades B or better taken prior to formal admission may be transferred into the program to meet degree requirements upon admission).

Prerequisites
Bachelor’s degree from an accredited college or university (majors in environmental science, soil water sciences, or an equivalent degree in an allied field such as geology, natural resource technology, ecology, agriculture, biology, horticultural science, environmental engineering, agricultural engineering or agronomy).

Admissions Criteria
Admission criteria include a B average or better for the last two years of the baccalaureate program. The General Test of the Graduate Record Examinations (GRE) is required for admission.

Admission Information
Starting dates are during semester (January) and Fall Semester (August).

Time
Two to four years. Students determine pace of study and registration of credits.

Courses

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>SWS 5593</td>
<td>Environmental Biogeochemistry of Trace Metals</td>
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<tr>
<td>SWS 5515</td>
<td>Environmental Nutrient Management</td>
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<tr>
<td>SWS 5234</td>
<td>Environmental Soil, Water &amp; Land Use Management</td>
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<tr>
<td>SWS 5247</td>
<td>Hydric Soils</td>
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<td>SWS 5305</td>
<td>Soils for Environmental Professionals</td>
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<td>SWS 5352</td>
<td>Soil Micobiology</td>
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<td>SWS 5716</td>
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<td>SWS 5367</td>
<td>Soil Quality</td>
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<tr>
<td>SWS 5392</td>
<td>Soil Erosion &amp; Sediment Management</td>
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<td>SWS 5314</td>
<td>Soil Quality</td>
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<td>SWS 5368</td>
<td>Soil Erosion &amp; Sediment Management</td>
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<tr>
<td>SWS 6356</td>
<td>Biodigesteration &amp; Remediation</td>
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<tr>
<td>SWS 6448</td>
<td>Biogeochemistry of wetlands</td>
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<td>SWS 6955</td>
<td>Special Problems</td>
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<td>SWS 6910</td>
<td>Supervised Research</td>
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<td>SWS 6931</td>
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<td>SWS 6935</td>
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<td>SWS 6933</td>
<td>Environmental Biogeochemistry</td>
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<td>SWS 6932</td>
<td>Forest and Soil Ecosystem</td>
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<td>SWS 6922</td>
<td>Watershed Management &amp; Remediation</td>
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<td>SWS 6968</td>
<td>Watershed Management &amp; Remediation</td>
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<td>SWS 6974</td>
<td>Masters Research</td>
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<td>SWS 7985</td>
<td>Advanced Research</td>
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<tr>
<td>SWS 7988</td>
<td>Doctoral Research</td>
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E elective Courses
E complete list of elective courses: http://soils.ifas.ufl.edu/distance/courses.html

Registration for Courses
Degree seeking students can select from the list of core, applied, special, and elective courses. Students that are interested in only select distance education courses may register as "non-degree seeking students."