

Name: Larry T. West

Rank: Professor and Athens REI

% Salary Budgeted: Instr. 40 Res. 55 Ext. 5 Outreach



Program Overview: My research is focused on use of morphological properties and landscape distribution of soils to understand and predict soil hydraulic properties. Specific projects included investigations of the relationships between redoximorphic features and duration of seasonal saturation; genesis of preferential flow zones in soil horizons; soil-landscape relationships and their effect on landscape redistribution of water, and hydraulic performance of onsite systems in GA soils including impact of biomat development. I teach Soil Morphology and Interpretation (CRSS 3540), Pedology (CRSS 4540/6540) and Soil Mineralogy (CRSS 8540). I also serve as coach of the UGA Soil Judging Team. I have been heavily involved in educational outreach sessions on onsite systems for regulators, contractors, and the public.

Education: B.S.A., Agronomy (Soil Science), University of Arkansas, 1973; M.S., Soil Science, University of Arkansas, 1978; Ph.D., Soil Science, Texas A&M University, 1986

Employment: 1998-present Professor, Department of Crop & Soil Sciences, UGA; 1993-1998, Associate Professor, Department of Crop & Soil Sciences, UGA; 1988-1993, Assistant Professor, Department of Crop & Soil Sciences, UGA; 1986-1987, Soil Scientist and Adjunct Assistant Professor, USDA-ARS and Agronomy Department, Purdue University, West Lafayette, IN; 1981-1986, Research Associate, Soil and Crop Sciences Department, Texas A&M University, College Station, TX; 1978-1980, Soil Scientist, USDA-Soil Conservation Service, Gatesville, TX; 1973-1978, Research Assistant, Department of Agronomy, University of Arkansas, Fayetteville, AR

Membership in Professional Societies: Soil Science Society of America; International Union of Soil Science; Soil Science Society of Georgia; Georgia On-Site Wastewater Association

Awards: None

Contributions to Teaching:

(1) Undergraduate

Course #	Title	Times Taught		Avg # of Students
		Sp	Fall	
CRSS 3540	Soil morphology and interpretation	1	4	4
CRSS 4520/6520	Soil and site assessment	4	-	14
CRSS 4540/6540	Pedology	6	2	17
CRSS 4930/6930	Agroecology of Tropical America.	3	-	20
CRSS 4931/6931	Agroecology of Tropical America Field Trip	3	-	9

(2) Graduate

Course #	Title	Times taught		Avg. # of Students
		Sp	Fall	
CRSS 8540	Soil Mineralogy	-	3	5

(3)	Service on Graduate Advisory Committees	
	Degree (MS/Ph.D)	Involvement (member/chair)
	MS	14/7
	Ph.D.	14/0

Contributions to Research and Other Creative Activities:

No. of books	0
No. of book chapters	5
No. of refereed papers/by journal	29
No. of proceedings papers	6
No. of abstracts	24
No. of Patents/PVPs	0
Other activities	0

Contributions to Extension: Organized or participated in 50+ 1 to 40 hour educational sessions dealing with onsite systems and soil evaluations.

Sources of Grants/amounts:

GA DHR/\$212,000; USDA-NRCS/\$74,000; National Small Flows Clearinghouse/\$30,000; USDA-CREES/\$35,000; GA DNR/\$10,000

Contributions to Professional Service: (committee service to department, college, university, and/or professional societies)

University: Life Sciences Area Committee for Graduate Faculty appointments, Study Abroad Advisory Committee

College: International Activities Advisory Board, Faculty Affairs Committee;

Department: Executive Committee, Soil Science Committee, Undergraduate Teaching Committee, Awards Committee (chair)

Soil Science Society of America: Editorial Board; Chair – Division S-5

Soil Science Society of Georgia Executive Committee

Georgia Onsite Wastewater Association Board of Directors

Goals for the Next Five Years:

Teaching: 1) Increase numbers of students in Water and Soil Resources major; 2) participate in development of new soil science course for upper level undergraduate and graduate non-soil science majors

Research: 1) complete evaluation of existing monitoring sites to develop relationships between soil morphological features and depth and duration of seasonal saturation for GA soils; 2) initiate project to evaluate soil variability and relationship of soil properties to ecosystem types at a site in southwest GA; and 3) establish field site to evaluate biomat impacts on hydraulic and treatment performance of onsite systems with differing drainfield design.