

Available Fall 2007

Graduate Teaching Assistantship (MS or PhD) –
Ecological Design and Analysis of Multifunctional Landscapes

Applications are being accepted for Graduate Teaching Assistantships to support research on multifunctional landscapes in the Department of Plant & Soil Science at University of Vermont.

The Multifunctional Landscape Research Lab is dedicated to the design and analysis of sustainable landscapes in intensively-managed urban and agricultural ecosystems. Current approaches in landscape assessment are used to inform and evaluate the ecological design of multifunctional landscapes to improve the ability of the landscape to provide important ecosystem services. Opportunities for sustainable and multifunctional design are explored in diverse agroecosystems, stormwater bioinfiltration systems, and campus research landscapes. Marginal landscapes such as riparian zones, wetlands, roadsides, fencerows, pathways, and brownfields are the primary target of this effort, as their performance potential is often ignored. This research program will contribute to the expansion of the exciting field of Ecological Design.

Specific responsibilities could include: **landscape mapping and analysis in GIS, graphic representation of the landscape, characterization of plant composition, and evaluation of stormwater infiltration.** Graduate Research Assistants are also expected to participate in data entry, preparation of research papers, presentation of results at scientific meetings, statistical analysis, and graphical illustration of data. Preference will be given to students with experience in spatial analysis of the landscape with GIS, ecological landscape design, or plant biodiversity analysis.

The graduate teaching assistantship includes a stipend of \$17,300 per year and a tuition waiver. The workload is expected to average approximately 10 hours per week on research and 10 hours per week on teaching over a 12 month period.

If you are interested, please send me a cover letter explaining your interest and experience along with your curriculum vitae. Admission will also require receipt of a completed application to our graduate program. You can find application materials on the web through the Graduate School of University of Vermont (<http://www.uvm.edu/admissions/graduate/>). Apply to the graduate program in Plant and Soil Science (<http://www.uvm.edu/~pss/>).

Contact information:

Sarah Taylor Lovell, MLA, PhD
Assistant Professor
University of Vermont
Plant & Soil Science Dept.
201 Hills Agricultural Building
105 Carrigan Drive
Burlington, VT 05405-0082

Email: Sarah.Lovell@uvm.edu
Ph: 802-626-0466
Fax: 802-656-4656
Web: <http://www.uvm.edu/~slovell/>