University of Missouri
The School of Natural Resources
Forestry Department

Is recruiting for a
PhD Student in Quantitative Silviculture

The project is to study forest regeneration and recruitment as a function of overstory density in partially harvested Oak-Hickory-Shortleaf Pine forests of the Ozark Highlands. The task is to quantify the early forest recruitment dynamics prior to and immediately after canopy closure of the reproduction cohort in terms of species abundance, growth rate, and mortality of oaks and shortleaf pine and of their competitors. Of particular interest is documenting the growth rate reductions and changes to the competitive sorting that occurs among species caused by retaining a partial overstory. The student will also be encouraged to determine the management consequences of the patterns identified.

The Missouri Ozarks are rich in the number of long-term permanent plots in a variety of forest management treatments. Consequently a number of data sets from several long-term research studies conducted in the Ozark Highlands will be used as foundation for the study. Additional data will be collected as needed.

The position is a ½ assistantship in the Quantitative Silviculture Laboratory under the direction of Dr. David Larsen (University of Missouri) and Dr. John Kabrick (USDA Forest Service, Northern Research Station). Work will be done in collaboration with Federal, State, and private forestry organizations. The stipend will be 1/2 time Graduate Assistantship with tuition and health benefit covered.

A Bachelors and Masters in Forestry are preferred with a good background in statistics.

Interested individuals should contact David Larsen (larsendr@missouri.edu) Application procedures can be follow the instructions at:

http://snr.missouri.edu/forestry/academics/graduate-admissions.php