

FOR/HORT 5474

Tu-Th: 9:30-10:45

For more information contact:

Dr. Susan D. Day

Department of Forest

Resources & Environmental

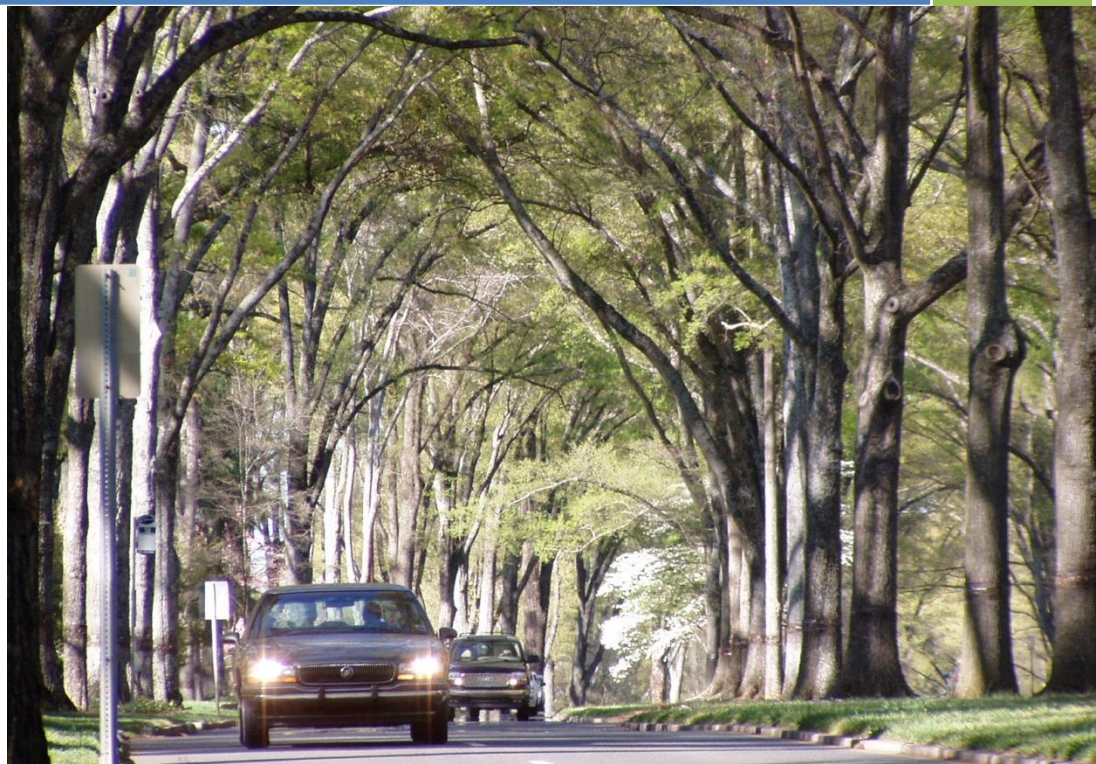
Conservation

sdd@vt.edu

231-7264

Taught spring semester in odd years

Advanced Studies in Urban Forest Ecosystems



Course Description

The nature and dynamics of urban ecosystems with a primary emphasis on the role of urban forests. A multi-disciplinary approach will be used to examine the interactions of urban forests with the built environment at multiple scales and how management can influence ecosystem processes. Primary literature, case studies and other readings will allow exploration of topics in a variety of urban environments, from urban cores to peri-urban development.

- The role of urban forest ecosystems
- Assessment and valuation of ecosystem services derived from urban forests
- The urban environment below ground
- Urban hydrology
- Urban forest modeling
- Urban forests and human well-being
- Trends in urban sustainability