



New UT Course for SPRING Semester

Plant Sciences 493: Applications of GPS/GIS in Public Gardens and Arboreta



Meeting Time:
Tuesday & Thursday
12:40-1:55 p.m.
Location: South
Greenhouse
Classroom,
Agriculture Campus
Course Credit Hours:
3 credit hours
Prerequisites:
Knowledge and
interest of tree
identification
Class maximum: 15



**Faculty Contact
Information:**
Course coordinators
Dr. Sue Hamilton
(sueham@utk.edu)
or Dr. Joanne Logan
(loganj@utk.edu)



Course Description/Information:

Applications of GPS/GIS in public gardens and arboreta will be taught through lecture and student-created interactive maps of the State Botanical Gardens of Tennessee plant collections, located on the UTK campus.

Using equipment to photograph and capture GPS coordinates of the Gardens' plant inventories, students will learn how to document images of plant collections, annotate descriptions of plant species and describe plant characteristics for entry into a database. Students will learn plant identification techniques, technical skills in documenting and uploading images, how to integrate plant species research in descriptions and contribute data that will help build a virtual database of the Gardens.