

MASTERS GRADUATE ASSISTANTSHIP: Bottomland Hardwood Flood Tolerance -
Ecophysiology

Dates: Start August 15, 2005 (January 2006 also an option)

Location: University of Missouri, Columbia, MO

Opportunity: Seeking students with an interest or background in Silviculture, Restoration Ecology or Agroforestry for a research assistantship in Bottomland Hardwood Flood Tolerance - Ecophysiology available in the Department of Forestry at the University of Missouri. Successful applicants should be interested in bottomland hardwood restoration and genetic variation in flood tolerance of hardwood seedlings. Specifically, the successful applicant will study how periodic flooding events can affect oak seedling survival, growth, phenology and ecophysiology.

To evaluate the field response of plants to flooding events of controlled duration and depth, the University of Missouri's Center for Agroforestry (UMCA) has constructed an outdoor Flood Tolerance Laboratory (FTL) consisting of twelve channels 20 feet wide by 600 ft long. This FTL seeks to replicate a "real world" floodplain environment, one which cannot be fully simulated in a greenhouse or indoor laboratory setting.

Duties: Masters degree student opportunity to work on the effects of flooding responses on oak survival, as well as to develop information on geographical variation within selected oak species. Duties of this research assistantship will include helping with maintenance of the flood tolerance laboratory, data analysis, writing.

Experience and/or interest in working with technology (dataloggers, instrumentation, etc.) in a field setting and strength in statistical analysis is desired. Expected start date is fall 2005 (or Jan. 2006). The assistantship is competitive and tuition is covered.

Qualifications: Applicants must have an undergraduate degree in Forestry, Biology, Ecology or related field, combined verbal/quantitative GRE scores of 1200 or greater, undergraduate GPA > 3.2, be motivated and have an interest in bottomland hardwood restoration and ecophysiology.

Application: Please send via email 1) a letter of interest, 2) unofficial GRE scores and GPA, 3) a resume and 4) the names and phone numbers of three references to Dr. Michael A. Gold, Department of Forestry, University of Missouri, Columbia, MO 65211, email: goldm@missouri.edu. Websites: <http://www.snr.missouri.edu/forestry/>

www.centerforagroforestry.org

Official graduate application forms can be found at - <http://web.missouri.edu/~gradschl/>