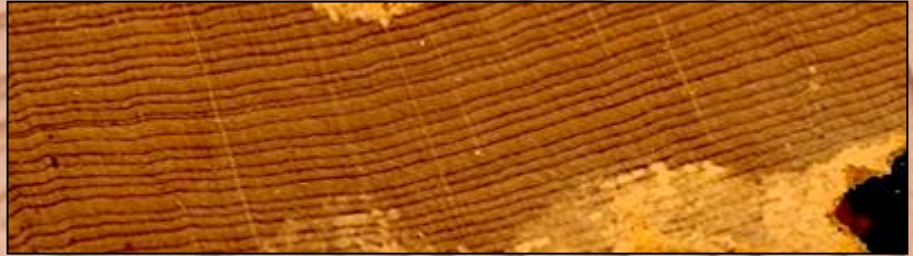




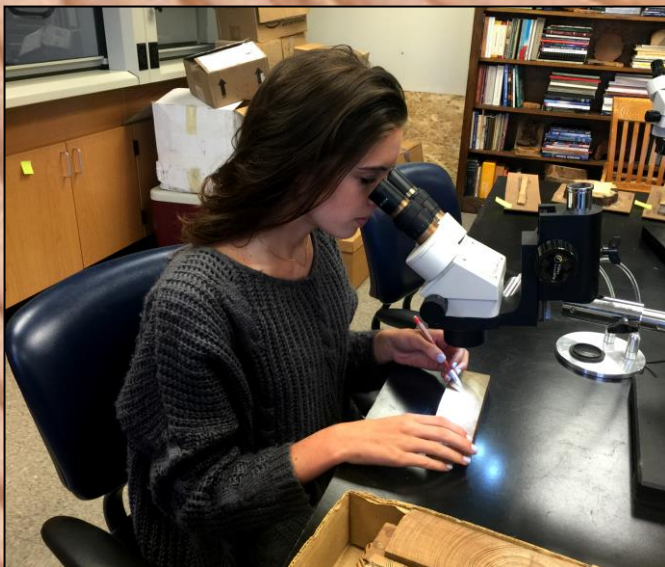
GEOGRAPHY 432
ENVIRONMENTAL HISTORY FROM TREE RINGS (4 hrs)
DR. HENRI D. GRISSINO-MAYER
 grissino@utk.edu



Dendrochronology is one of the most versatile disciplines in the physical and cultural sciences. The content of the course will appeal to students studying topics in a broad spectrum of disciplines, including **geography, ecology, hydrology, geomorphology, forestry, and archaeology**. The course provides training and background in skills that will prove valuable for your career choice after graduation, such as project design and implementation, geographic field sampling schemes, applied quantitative analyses, scientific methodology, and enhanced writing instruction.



The lectures cover the major areas to which dendrochronology is applied, including **wildfires, floods, hurricanes, earthquakes, volcanism, climate change, climate reconstructions, archaeological analyses, and ecosystem disturbance history**. The weekly labs (12 total) provide hands-on experience with the dating of tree rings. Pattern recognition is everything in this field. If you're good at or enjoy any activity that requires problem solving skills (video games, crossword puzzles, even forensic shows), **then you will enjoy this course!**



Undergraduate geography major Ellie Eggink.



Ph.D. graduate student Maegen Rochner.