

## David L Nieland

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**Subject:** 3-week summer course in dendroecology, dendroclimatology, and dendroarchaeology,  
University of Arizona

### SUMMER TREE-RING STUDIES AT THE UNIVERSITY OF ARIZONA LTRR

The Laboratory of Tree-Ring Research (LTRR) is offering short summer courses in dendrochronology, including studies in dendroclimatology, dendroecology, and dendroarchaeology. Classes will convene for three weeks on 16 May 2016 at the campus of the University of Arizona in Tucson.

Dendrochronology is the study of natural and human processes that are recorded in the tree-ring record. This record is retained over time due to the remarkable preservation qualities of wood, and across the wide geographical distribution of trees. Through the science of dendrochronology, a broad range of ecological, climatic, geological, and cultural variables can be reconstructed and analyzed with high spatial and temporal resolution.

These three-week intensive courses will introduce students to theory, laboratory and field techniques, and current research in each subfield.

Courses will be based at the LTRR (<http://www.ltrr.arizona.edu/>) with field trips to sites in the Southwest region. Lectures will be presented by course instructors and other leading scientists. Course readings are drawn primarily from the published literature. Classes are designed for graduate students as well as faculty, postdoctoral researchers, and working professionals with suitable backgrounds. Undergraduates who are interested in the dendroclimatology or dendroecology course should have suitable background in ecology or climate studies in order to register.

Contact the course instructor whose email is listed below for prerequisites.

Registration and logistics: Courses can be taken for university credit by registering with the University of Arizona Summer School (<http://summer-winter.arizona.edu/>). Course numbers are Geosciences (GEOS) 497i/597i (dendroclimatology), 497j/597j (dendroarchaeology), and 497k/597k (dendroecology). Online registration will open in March 2016.

A non-credit workshop that runs concurrently is available through the LTRR; contact the Summer School Coordinator for further information.

Prospective students should contact the instructor of the course of interest to obtain permission to register. PLEASE RESPOND ASAP AND NO LATER THAN MARCH 30, 2016.

Tuition will be payable to the University of Arizona upon acceptance into the course by the instructors and submission of application materials. Off-campus housing is available and must be arranged separately. All international students or those requiring special arrangements to participate should contact one of the instructors as soon as possible, prior to registration. Additional details will be posted periodically at <http://ltrr.arizona.edu/summerschool>.

For registration, housing, and general information, and to register your interest, please contact the Summer School Coordinator by email at [summercoordinator@ltrr.arizona.edu](mailto:summercoordinator@ltrr.arizona.edu) (or 1-520-621-1608).

Lead Course Instructors (there will also be guest lecturers):

Dendroclimatology: Dr. Ramzi Touchan ([rtouchan@ltrr.arizona.edu](mailto:rtouchan@ltrr.arizona.edu)) (other instructor: Dr. David Meko).

Dendroecology: Dr. Don Falk ([dafalk@email.arizona.edu](mailto:dafalk@email.arizona.edu)) (Co-organizers: Dr. Margaret Evans, Dr. Ann Lynch).

Dendroarchaeology: Dr. Ron Towner ([rtowner@ltrr.arizona.edu](mailto:rtowner@ltrr.arizona.edu)) (other instructor: Dr. Jeffery S. Dean).

Laboratory of Tree-Ring Research, University of Arizona, 1215 E. Lowell Street, Bldg. No. 45B, Tucson AZ 85721 USA. Fax 520-621-8229.

We look forward to seeing you this summer!