

## **PALEOCLIMATOLOGY SES 6750**

This class is for Graduate Students and Upper-Level Undergraduate Students with permission from the Instructor, Lonnie G. Thompson.

This course is designed to provide students with a comprehensive understanding of the natural and human-driven climatic variations in the Earth System as revealed by multiple proxy records including those preserved in ice, speleothem, lake, and marine cores. Developing the expertise to interpret and integrate records of past climatic and environmental changes is a critical skill for deciphering and understanding the mechanisms forcing Earth's climate system in the past. This knowledge facilitates our ability construct robust climate models for predicting future climate variability. The course is designed for students in Earth Sciences, Geography, Anthropology and Archeology, Engineering, Public Health, and Business among others.

Grades are based upon individual and group projects, and a final oral exam.

Class time and Location: Lectures are held on Tuesday and Thursday from 9:00 to 10:50 am in Room 177 Scott Hall (The Byrd Polar and Climate Research Center). The lab component consists of the group projects and the timing of this is flexible.

For more information please contact Professor Lonnie G. Thompson ([thompson.3@osu.edu](mailto:thompson.3@osu.edu) or 614-292-6652).