

GEOG/GEOL 4970-002/4970-002; 51500/51501. – Fall 2025

Monitoring, Measuring, and Modeling Methods for Terrestrial Ecosystem Carbon-Cycle Science

3 credits. Held at the Stephenson Research and Technology Center (SRTC 1020). Fridays 1:00-3:40 pm.

Prof. Timothy Filley - Instructor

Incorporating perspectives from OU faculty experts, this course will provide theoretical foundations, quantitative examples, and hands-on lab and field experience to help students understand how Earth systems scientists explore the complex interactions between the atmosphere, plants, microbes, and soil under different environmental stressors to model and predict the carbon cycle across spatial and temporal scales.

