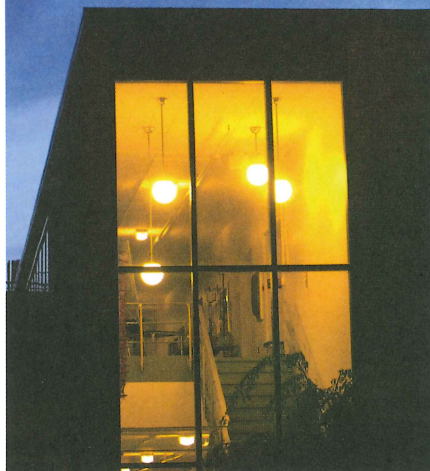
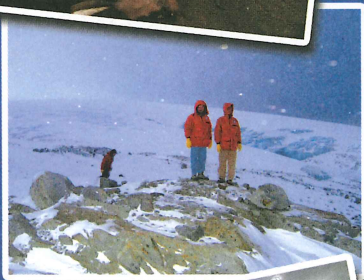
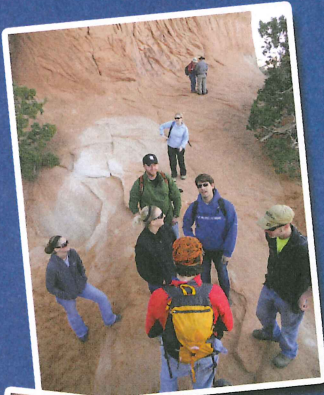


Department of EARTH AND ENVIRONMENTAL SYSTEMS



GEOARCHAEOLOGY

Geoarchaeology is a research focus of the **Earth and Quaternary Sciences MS Program** and **Archaeology & Quaternary Research Laboratory** at ISU. A flexible curriculum allows students to tailor their program of study to their research interests.

Dr. C. Russell Stafford's (Professor & Department Chair) research centers on Holocene landscape reconstruction through soil-geomorphic studies in the lower Ohio River valley and the development of techniques and strategies for discovery and sampling of deeply buried archaeological sites, particularly through GIS modeling and the analysis of microartifacts. Other recent projects include a study of community patterns using geophysical data at a Middle Woodland village site in west-central Indiana, and examination of mound structure using solid earth cores at a Mississippian site in southern Indiana.

Other faculty with related research interests include Dr. Jen Latimer (geochemistry), Dr. Jim Speer (dendrochronology, soils), Dr. Steve Aldrich (GIS), Dr. Sue Berta (geomorphology, remote sensing), Dr. Mark Green (geoarchaeology, remote sensing), Dr. Karla Hansen-Speer (archaeobotany), and Dr. Shawn Phillips (bioarchaeology)

The Archaeology & Quaternary Research Laboratory has a 4WD Truck and trailer-mounted hydraulic Giddings soil probe for geomorphological/geoarchaeological field investigations. Other specialized instruments include a GeoScan FM36 Gradiometer, a GSSI SIR 3000 GPR, and a Bartington MS2 Magnetic Susceptibility Meter. A CILAS laser particle analyzer is so available for textural analysis. Students have access to state-of-the-art remote sensing and GIS labs. The CRM program focuses on geoarchaeology projects that provide students with a full-range of research opportunities.



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