ANTH 399 Archaeology Field School: Excavation of an Early 19th Century Pioneer Farmstead
Our project continues the excavation of a buried early 19th century pioneer farmstead at LUREC to determine the impacts of Euro-American settlement on the local environment. Students will learn archaeological field and lab methods through practice and readings and lectures. Archival research has identified much about this land owner who was part of a large group from western Virginia. Dispersed remains of the homestead, household items, and animal bones are present as well as pits and post-holes. Our excavations will focus on determining the spatial pattern of these remains. In addition, we will continue study of an experimental plot to evaluate the impact of tillage on archaeological context.

ENVS 280 Principles of Ecology
The purpose of this course is to foster an in-depth understanding of ecology, the study of relationships between organisms and the environment at organizational scales ranging from genes, individuals, and populations to communities, ecosystems, and landscapes. Topics include population dynamics, species interactions, community dynamics, food webs, ecosystem functions, and landscape ecology with a strong emphasis on scientific inquiry and data interpretation. Restricted to majors within IES.

ENVS 286 Principles of Ecology Lab
Prerequisites: ENVS 237, ENVS 238 and ENVS 280
Course Description: This course will allow students to develop experience and skills employed in ecological studies, with an emphasis on field work, laboratory analysis, and hypothesis testing. Topics for lab exercises will correspond closely with material from Ecology (ENVS 280) lecture. Course does not satisfy requirements for BIOL major.

ENVS 326 Agroecosystems
In this hands-on course, students will build knowledge and skills in agriculture and ecology through work in greenhouse, laboratory, classroom, and field settings. Students will build on foundations of Environmental Science and Biology by examining challenges of food production, management decisions, and environmental change facing agroecosystems both locally and abroad.

ENVS 398 Special Topics: Field Entomology
This course will combine lab, field, and lecture components to investigate the role that insects play in our world. We will cover basic insect taxonomy and physiology, but the main focus of the course will center on ecology and the enormous yet often unseen impact that insects have on natural and human systems. We will cover topics such as pollination, food webs, decomposition, medical entomology, forensic entomology, and agroecology. The course will consist of fieldwork at LUREC and other sites in McHenry County, as well as an overnight collecting trip to Southern Illinois.

ENVS 398/MPBH 495 Special Topics: Environmental Health: Mosquitoes and Ticks
Student will learn how to monitor and identify mosquito and tick species that can transmit human diseases.