A summer at a field station is a learning experience that lasts a lifetime

LOCATED ON THE SHORE OF KENTUCKY LAKE

in southwestern Kentucky, the Hancock Biological Station (HBS) was established in 1966. HBS is a nationally recognized field station with almost limitless opportunities for studies of aquatic and terrestrial biology. Kentucky Lake is the second largest reservoir in the United States (184 miles long) and is joined by a canal to Lake Barkley. Together they provide over 3,500 miles of shoreline. Between them is the 170,000 acre Land-Between-The-Lakes National Recreation Area which, along with the Station, has been designated as an Experimental Ecological Reserve.

THE WATERSHED STUDIES INSTITUTE (WSI)

Originally established in 1987 by the Kentucky Council on Higher Education, WSI has a mission to provide intellectual and infrastructure support for education and research.

COMPETITIVE FELLOWSHIPS are available through ECOMA, WSI, and HBS. Housing is available at the Station for students and visiting researchers.

FOR MORE INFORMATION visit our web site and watch our video at www.murraystate.edu/hbs or call (270) 809-2272 or e-mail gharris@murraystate.edu.

Hancock Biological Station on Kentucky Lake
2014
Summer Field Program

5-WEEK REGULAR SESSION COURSES
May 27 – June 30
Summer courses are designed for college level students and others who wish to better understand their environment
(All courses carry 4 credit hr)

BIO 330 Ecology
Susan Hendricks
An introduction to the basic principles and concepts pertaining to environmental systems. Emphasis is placed on community ecology. Much of the course is devoted to field observations and experimentation. The course is aimed primarily at undergraduate Biology majors but is open to others. Tuesday & Thursday

BIO 514/614 Scanning Electron Microscopy
Karta Johnston & David White
The theory, principles and applications of scanning electron microscopy (SEM). After a predetermined number of instructional hours, the participants are expected to successfully complete a test that measures competency in SEM operation, specimen preparation, and remote operations. The course includes remote operations where researchers and teachers have access to the microscope for use in their own labs or classrooms. The course is limited to a maximum of 5 students. Monday & Thursday

BIO 533/633 Field Botany
Richard Abbott
A survey of the plants of western Kentucky and surrounding states. Emphasis is on field identification of common species, use of keys, collection and preparation of specimens, and general plant ecology of the region. Wednesday & Saturday (Dr. Abbott is a visiting scholar from the Missouri Botanical Garden)

BIO 596 Field Studies in Ecology – Kentucky Lake
Todd Levine
The course will focus on the biology, ecology, and management of Kentucky Lake in the western Kentucky landscape. The location of HBS on the shore of Kentucky Lake provides a unique opportunity to study the largest reservoir in the eastern US up close. Topics will range from water chemistry to fisheries, to dam management to the affects invasive species. Tuesday and Friday

BIO 506/606 Advanced Field Biology
Ed Zimmerer
This course is for people who wish to learn how to identify living organisms and their functions in the environment. Course work will include the use of keys, field identifications, and analysis of local habitats as well as understand how the species are distributed in the environment. Techniques for teaching about nature will be highlighted. The course emphasizes habitats and species from this area and prepares people to become good naturalists and teachers. Monday & Thursday

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491 - 494 UNDERGRADUATE RESEARCH TOPICS

Designed for undergraduates who wish to do directed independent research in an area of field biology. A staff member must agree to direct the research. (1 to 4 hours credit may be taken). Time and days arranged

691 - 694 GRADUATE TOPICS IN BIOLOGY

Designed for graduate students who wish to do directed independent research in an area of field biology. A staff member must agree to direct the research (1 to 4 hours credit may be taken). Time and days arranged

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