Archaeological Field School

The Archaeological Field School (Anth 375, five undergraduate credits) meets for five weeks during Summer I (June 1 to July 2, 2009) from 8:00 AM-4:00 PM, Monday through Friday. Students will have the opportunity to participate in archaeological surveys and excavations of Native American sites near Cook Forest, Pennsylvania. Students will learn field and laboratory methods, mapping, and artifact identification. Transportation will be provided. The first class meets in Founders, Room 105. All other days will be in the Cook Forest area. There are no prerequisites.

The Advanced Archaeological Field School (Anth 376, five undergraduate credits) meets for five weeks during Summer I (June 1 to July 2, 2009) from 8:00 AM-4:00 PM, Monday through Friday. Students will have the opportunity to perform research associated with archaeological surveys and excavations of Native American sites near Cook Forest, Pennsylvania. Students will obtain experience supervising the excavation of a site. Transportation will be provided. The first class meets in Founders, Room 105. All other days will be in the Cook Forest area. Anth 375 is a prerequisite.

Summer Classes at Pymatuning
2009

Through a cooperative program with the University of Pittsburgh, Clarion University is able to offer an outstanding program of study in field ecology at the Pymatuning Laboratory of Ecology. Classes are taught by faculty from a number of cooperating institutions. Sessions at Pymatuning are open to undergraduate and graduate students alike. Sessions at Pymatuning are three weeks in length, students normally reside on site. Schedules, classes, and details of residency are as follows:

Session 1: May 11 – May 29 (CUP Pre-Session)

Principles of Ecology (BIOL 202-71, -72) An introduction to the study of organisms and their environments. Lectures and laboratory exercises emphasize environmental factors, populations, communities, ecosystems, biodiversity. Field experiences illustrate ecological principles through hands-on exercises.

Forest Ecology (BIOL 477-71; BIOL 577-71) The study of the ecology, management, and conservation of forest ecosystems focusing on the eastern deciduous forest biome. We will take overnight field trips to study the major regional forest types including visits to the Allegheny National Forest in Pennsylvania and the Monongahela National Forest in West Virginia.

Wetlands Ecology and Management (BIOL 400-71: Special Topics) A field based approach to the study of wetlands. Topics covered will include wetlands delineation, restoration, hydrology, biogeochemistry, and the fauna and flora of wetlands.

Session 2: June 1 - June 19 (CUP Summer I)

Principles of Ecology (BIOL 202-71, -72) An introduction to the study of organisms and their environments. Lectures and laboratory exercises emphasize environmental factors, populations, communities, ecosystems, biodiversity. Field experiences illustrate ecological principles through hands-on exercises.

Behavioral Ecology (BIOL 492-71: Animal Behavior) Behavior is studied from an evolutionary and ecological perspective. Current models of foraging, mating, and social behavior are evaluated through lecture, readings, field observation and experiments.

Ornithology (BIOL 428-71, 72) An introduction to the diversity, behavior, and ecology of birds. The course emphasizes field studies, including the identification of local species, experimental methods, and study of avian vocalizations.

Session 3: June 22 - July 10 (CUP Summer I)

Microbial Ecology (BIOL 400-71, Special Topics) This is a course designed to introduce students to collecting, observing, and identifying fungi and bacteria from aquatic and terrestrial environments. Students will be instructed in the taxonomy and ecology of these groups of microorganisms with a focus on observational and experimental approaches to testing original hypotheses. Field observations will be emphasized along with the proper use of light microscopes, sterile technique, and culturing procedures.

Stream Ecology (BIOL 400-72, Special Topics) This field course surveys the physical, chemical, and biological components of freshwater streams in an integrative manner to further understand and investigate the natural history and ecology of flowing waters. The course will introduce students to lotic systems in a context that moves from a broad watershed perspective to narrowly defined channel microhabitats to examine the underlying processes that produce the structural and functional characteristics of stream and river systems.

Session 4: July 13 – July 31 (CUP Summer II)

Vertebrate Ecology (BIOL 470-71, 72: Animal Ecology) The course will focus on identification, ecological distribution, community structure, and physiological ecology of mammals, utilizing field problems, laboratory demonstrations, and lectures.

Conservation Biology (BIOL 405-71; BIOL 505-71: Ecological Applications) Methods and theory of conservation biology; species diversity, extinction rates, management of endangered species, and the economics of conservation strategies.

Special Notes: All courses are three credits and only one class may be taken per session. Each class meets Monday through Friday. **Students pay Clarion tuition**. For further information contact Dr. Andy Turner or Dr. Shannon Nix, Biology Department, Clarion University of PA., or visit the PLE website at http://www.pitt.edu/~biohome/Dept/Frame/pymatuninglabs.htm

Fee Information: Student room and board provided at Pymatuning for each three-week session is $360. All students are charged a $50 laboratory use fee. Room and board fees, lab fees, and textbook purchases are to be paid by check or cash at the Pymatuning Lab on the first day of each class.