Courses and Descriptions

**Monday/Tuesday/Wednesday Starting May 31, 2004**

*Natural History of Vertebrates (BIO 5700 001)  3 credits  A. Kurta, Ph.D.

This course surveys Michigan's rich vertebrate fauna, emphasizing natural history, behavior and ecology. Field exercises include radio-tracking, pitfall trapping, bird watching, live-trapping small mammals, netting bats, and recording vocalizations.

Conservation Biology (001)  3 credits  C. Freeman, Ph.D.

Our world is changing rapidly both naturally and because of the actions of man. The cumulative changes are responsible for one of the greatest episodes of extinction in the history of earth. In this course, we explore the intersection of ecology, evolution and genetics. The lab component will provide students with hands-on experience using the techniques that professionals use in the field.

**Thursday/Friday/Saturday Starting June 3, 2004**

Limnology (002)  3 credits  M. Tracy, Ph.D.

Limnology is the study of freshwater ecology – its chemical, biological and other components. Field excursions and lab exercises, along with the lecture, will allow students to identify and explore how these components interact.

*Animal Behavior (003)  3 credits  L. Mertz, Ph.D.

Animal Behavior examines the physiological, social, ecological, and evolutionary aspects of behavior of both vertebrates and invertebrates with emphasis on Michigan species. The course will incorporate a substantial field component, including examples of communication, courtship and mating, care of the young, aggression, predatory and defense tactics, feeding, and territoriality.

**Monday/Tuesday/Wednesday Starting June 21, 2004**

*Trees & Shrubs (004) 3 credits  G. Hannan, Ph.D.

This is a field course emphasizing identification of native woody plants, Michigan forest types and their distribution, ecology and human impacts.

**Thursday/Friday/Saturday Starting June 24, 2004**

Ichthyology (005)  3 credits  TBD

Though freshwater fish may not be as colorful and diverse as their marine cousins, they are still crucial members of many food chains and communities and are among the more numerous vertebrate species in Michigan. In this course we will examine live and preserved specimens, in the laboratory and in the field.

**Monday/Tuesday/Wednesday Starting July 12, 2004**

*Plants & Nature (006)  3 credits  M. Kielb, Ph.D.
This course is designed for classroom teachers. Students will explore ecological principles, plant diversity and adaptations of common Michigan plants to their habitats. The emphasis is on plant identification and field recognition.

**Thursday/Friday/Saturday Starting July 15, 2004**

*Natural History of Michigan (007) 3 credits M. Hobig, M.S.

The ecology of our unique pair of peninsulas was shaped by climatic and geologic events that occurred thousands of years ago. This class will explore those events and how they relate to the flora and fauna we now find in our state with a focus on the Detroit metropolitan area.

**Monday through Saturday, June 21 – June 26, 2004**

*Herpetology for Teachers (008) 2 credits L. Mertz, Ph. D.

Students will explore the world of reptiles and amphibians. While there are some lectures, lab work, videos and field sessions predominate this course. Plan to spend considerable time outdoors exploring the hundreds of acres of lakes, wetlands, forests and meadows of the Fish Lake grounds and adjacent state game area.

**Monday through Saturday, July 5 – July 10, 2004**

*Introduction to Field Biology (009) 2 credits L. Mertz, Ph.D.

Students explore plants and animals of Michigan and the methods used by field biologists to study them. Activities include making collections; creating mammal-track impressions; learning bird songs; live-trapping and identifying various amphibians, reptiles and mammals; participating in different survey methods; and estimating animal population size.

**Monday through Thursday, July 12 – July 15, 2004**

Entomology (010) 3 credits A. Hannan, Ph.D

Insects provide us with a fascinating microcosm of ecology, as they are widely adapted to a range of habitats and lifestyles. Students will study insects in the field, collect and identify specimens and learn about their diverse physiology and behaviors.

*Survey of the Animal Kingdom (011) 3 credits H. Booth, Ph.D.

This course examines the diverse animal groups with focus on evolution survival strategies and how these organisms impact us. Students will be involved in various interactive learning adventures using lecture, video, lab dissection, demonstrations and student presentations.
This summer program is in collaboration with Eastern Michigan University, and students from either university can enroll in several jointly offered courses and receive degree credit from their home university. EMU and WSU staff will also offer the following investigative/directed study courses (EMU BIOL/BOTN/ZOOL 497, 498, 499, 698, 699; WSU BIO 3990, 5996, 7996) each session for one or more credit hours in each of the previously listed classes.

Class size is limited to 20, so register early!

FOR MORE INFORMATION ABOUT...

...registration, contact us at:

All courses (except 5700) available to WSU students will be listed in the Spring/Summer 2004 Schedules of Classes as BIO 5180. Register during the regularly scheduled registration period through:

http://pipeline.wayne.edu or telephone (313) 577-3279; on-site registration is available (no late fee)

Non-WSU students taking WSU courses should register as Guest Students

EMU students can register online at my.emich.edu. Non-EMU students registering for EMU courses register as Guest Students. Undergraduate guest application procedures can be found at

http://www.emich.edu/public/admissions/UGguestPro.html. Graduate students should complete a MIGS application at the Registrars office of their home institution.

...course fees

Rates per Credit Hour

WSU Lower-Division Undergraduates: $141.40
WSU Upper-Division Undergraduates and Post-Degree Students: $166.80
WSU Graduate Students: $207.70
EMU* Courses #500-699: $270.25

Additional Fees

WSU

Registration: $87.50/term
Late Registration: $35.00 or $70.00
Omnibus Fee—Undergraduate: $12.75/credit hour
Omnibus Fee—Graduate: $19.10/credit hour
Course Material Fee: $10.00/credit hour

EMU*

Registration: $40.00/term
General Fee: $21.00/credit hour
Technology Fee: $10.00/credit hour
Program Fee: $40.00/credit hour

...financial aid (Limited financial aid may be available to qualified students) contact:

WSU—Dr. Carl Freeman: (313) 577-2793

...accommodations and maps

Refer to our website: www.emich.edu/public/fishlake/fishwebp.htm

For more information and reservations, contact: Ben Czinski, Resident Director, KEEC phone: (810) 667-2350, e-mail: bczinski@yahoo.com

(Note: On-site registration for room and board is available)

Room & Board Package for 3 weeks (19 nights lodging and 48 meals): $280.00
Room & Board Package for 3 weeks (6 nights lodging and 21 meals): $116.00

...courses/instructors: www.biosci.wayne.edu/fishlake

*All tuition and fees are subject to change at any time by action of the Eastern Michigan University Board of Regents without prior notice. Such changes may be retroactive to the date of original registration.