SUMMER SESSION 2010

SESSION I: MAY 23 — JUNE 5

Bird Ecology
Doug Wood, Southeastern Oklahoma State University
ZOO 4970/5970, Sec. 050, 3 credit hours
A study of the basic features, diversity and behavior of birds. The laboratory portion includes field studies of the ecology, behavior of birds with a focus on field identification, census techniques and other field research techniques, concentrating on birds of southern Oklahoma and northern Texas.

Forensic Entomology
Heather Ketchum, The University of Oklahoma
ZOO 4053, Sec. 050, 3 credit hours
This course explores the use of insect evidence in a death scene investigation as a means to resolve legal issues in a court of law.

Molecular Techniques for Field Biology
James Thompson, The University of Oklahoma
Ron Woodruff, Bowling Green State University
ZOO 4353/5353, Sec. 050, 3 credit hours
Molecular biology with application to field studies of animal populations using hands-on techniques and data analysis, including DNA isolation, DNA restriction fragment length polymorphisms and sequence analyses, polymerase chain reaction, microsatellite variation, protein electrophoresis and an introduction to computer databases, BLAST searches and phylogenetic trees.

Wetlands Science and Management
Wetlands Ecology
Robert Nairn, The University of Oklahoma
CEES 5273, Sec. 050, 3 credit hours
ZOO 5970, Sec. 051, 3 credit hours
A comprehensive, field-based examination of wetland ecosystem ecology, biogeochemistry and management. Major wetland types and resources are examined. Diversity of wetland waters, soils, vegetation and fauna is explored through laboratory work, classroom discussions and visits to various field sites.

SESSION II: AUG. 1 — AUG. 13

Field Herpetology
Geoff Carpenter, The University of Oklahoma
ZOO 4970/ZOO 5970, Sec. 052, 3 credit hours
The emphasis of the class will be to provide a comprehensive overview of methods, techniques and standards for the collection, management and analysis of herpetological field data for various applications, including conservation biology. On field trips, we will collect/sample herps using various means. Students will then design and implement projects that apply various field sampling methods.

Field Mammalogy
Michael L. Kennedy, The University of Memphis
ZOO 4970/5970, Sec. 053, 3 credit hours
Field trips and class projects are included to study mammals occurring in southern Oklahoma and northern Texas. Emphasis will be placed on principles of mammalian ecology, conservation, biodiversity, techniques of field study and methods of collection and preservation of mammals.

Introduction to Stream Ecology
William Stark, Fort Hays State University
ZOO 4970/5970, Sec. 054, 3 credit hours
Extensive field trips coupled with class projects are used to explore the dynamic nature of lotic (running water) ecosystems and the unique adaptations of organisms that inhabit them. Emphasis will be placed on abiotic and biotic interactions of fishes and invertebrates in the wide diversity of aquatic habitats in southeastern Oklahoma.

Reservoir Fish Ecology
Lance Williams, University of Texas at Tyler
Marsha Williams, University of Texas at Tyler
ZOO 4970/5970, Sec. 055, 3 credit hours
Using Lake Texoma as our model, we will examine the major influences on fish communities in reservoirs. Watershed influences, physical and chemical properties of the reservoir and the biota will be examined.

The University of Oklahoma is an equal opportunity institution.

TUITION AND FEES

Per 3 credit hours

A 4000 level course costs $774.25 to $1,901.35 and a 5000 level course can cost from $888.55 to $2,246.65. All totals are dependent upon student's residency status and date of enrollment.

Students not taking additional summer courses on Norman campus will have $149.45 in fees waived on their bursar accounts at the end of the summer term by waiver of the Oklahoma Regents.

Visiting international students will be charged additional fees, but these are subject to waiver.

For more detailed information please refer to our Web site: www.ou.edu/uobs or the OU Web site: ozone.ou.edu.

ROOM AND BOARD

Room and Board (Package): $456

Meals*: $21 per day or

Breakfast: $5.50; Lunch: $7; Dinner: $8.50

Facility Fee*: $24

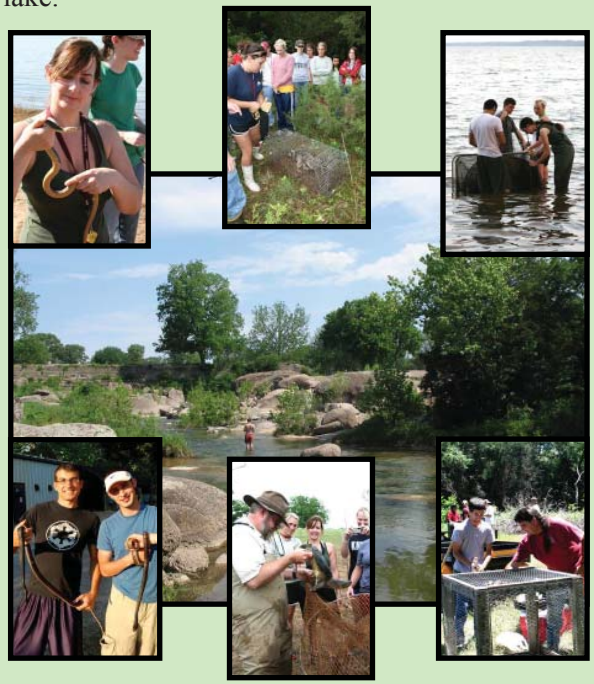
*Commuters Only

All prices are subject to change.

This publication, printed by UOBS, is issued by the University of Oklahoma. 500 copies have been prepared and distributed at a cost of $250 to the taxpayers of the State of Oklahoma.

UOBS has a three-pronged objective to support research, teaching and educational conferences. Summer Session courses are designed to provide students with extensive and intensive hands-on field study of organisms in their natural habitats, coupled with an interactive classroom teaching format. UOBS is an integral research and instructional unit of the University of Oklahoma and is subject to the general rules and regulations thereof. UOBS is located on the north shore of Lake Texoma, approximately 120 miles south/southeast of the OU Norman campus.

Computers with Internet access and word processing, spreadsheet, database, presentation and statistical software are available for student use. Wireless Internet access is available campus-wide. Facilities include classrooms, laboratories, a library, a recreation room, laundry room, apartments and residence halls, and a dining hall. Satellite television is available in the recreation room as well as ping pong tables. Outdoor recreation includes basketball and volleyball courts, horseshoe pits, along with access to the lake.



COURSE PREREQUISITES

Two collegiate laboratory courses, one of which must be in the biological sciences, preferably principles of ecology or other field-based courses and the other in the natural sciences (e.g., chemistry, physics).

ADMISSION AND REGISTRATION

Before being admitted to UOBS, all students must first be admitted to the University of Oklahoma. For more information or to obtain OU admission and UOBS application materials, please contact: **Gail Barnes, UOBS, 730 Van Vleet Oval, 103 Sutton Hall, Norman, OK 73019-6121, (405) 325-5391, gbarnes@ou.edu.** Applications, course and accommodation information are also available on our Web site at www.ou.edu/uobs. Applications will be accepted starting Jan. 4, 2010. **As limited space is available, students are advised to apply early.**

For May session, registration will be held at UOBS at 3 p.m. **Sunday, May 23**, followed by an orientation meeting at 5 p.m. and then dinner. Classes begin **Monday, May 24**.

For August session, registration will start at 3 p.m. on **Sunday, Aug. 1**, followed by orientation at 5 p.m. and then dinner. Classes begin **Monday, Aug. 2**.

SCHOLARSHIPS

Scholarships ranging from $100 for commuter students to $300 to $500 for students residing at UOBS are available. Scholarship applications are in our brochure and on our Web site: www.ou.edu/uobs.

Accommodations on the basis of disability are available by contacting the UOBS administrative secretary, Janet Isaac, (405) 325-7431 or (580) 564-2478, HC 71, Box 205, Kingston, OK 73439-9738, as soon as possible.

University of Oklahoma Biological Station at Lake Texoma

Summer Session 2010

May Session: May 23 — June 5
August Session: Aug. 1 — Aug. 13

The 2010 Summer Session marks the 61st year since the founding of the University of Oklahoma Biological Station on Lake Texoma. Students continue to come to UOBS to experience a truly unique opportunity in field-based study while earning three hours of upper-division or graduate-level lecture/lab credit during one or both of our Summer Sessions.

UOBS will host seven field-oriented courses and a lab-based molecular course during its Summer Session 2010. These courses encompass the following areas: bird ecology, forensic entomology, herpetology, mammalogy, molecular methods, reservoir fish ecology, stream ecology and wetlands ecology.

The University of Oklahoma Biological Station is an OU campus, established in 1949. The Biological Station promotes research, teaching and educational opportunities.

Web site: ou.edu/uobs