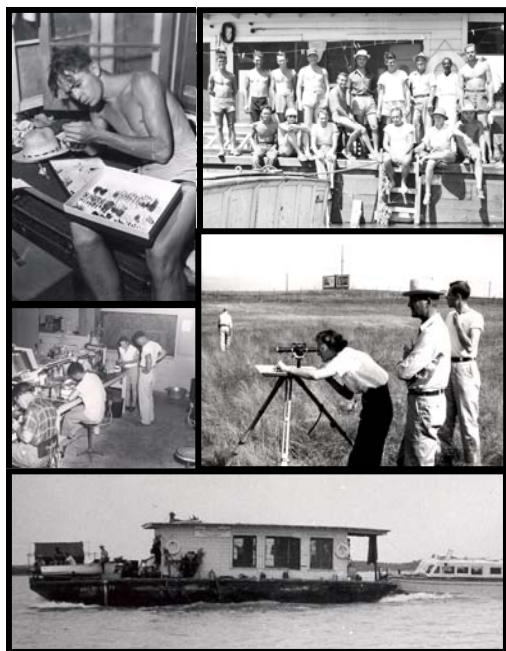


UOBS has a three-pronged objective to support research, teaching and educational conferences. Summer Session courses are designed to provide students with extensive and intensive hands-on field study of organisms in their natural habitats, coupled with an interactive classroom teaching format. UOBS is 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 and 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, 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 also are available on our Web site at www.ou.edu/uobs. Applications will be accepted starting Jan. 5, 2009. Senior Capstone students need to contact the Zoology Advising Office, (405) 325-5661, for further details and admission to class. **As limited space is available, students are advised to apply early.**

For May session, registration will be held at UOBS at 3 p.m. **Tuesday, May 26**, followed by an orientation meeting at 5 p.m. and then dinner. Classes begin **Wednesday, May 27**.

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

SCHOLARSHIPS

Scholarships ranging from \$100.00 for commuter students to \$300.00 to \$500.00 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 2009

May Session: May 26-June 6
August Session: Aug. 2-Aug. 14



The 2009 Summer Session marks the 60th 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, a lab-based molecular course and Senior Capstone course during its Summer Session 2009. These courses encompass the following areas: aquatic plants, ecology, forensic entomology, herpetology, mammalogy, molecular methods, stream ecology and wildlife conservation.

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

1949



2009

Web site: www.ou.edu/uobs

SUMMER SESSION 2009

SESSION I: May 26-June 6

Experimental Design and Statistical Concepts

Brian Langerhans, The University of Oklahoma
ZOO 4970/5970, Sec. 051, 3 credit hours

The course will be an introduction to experimental designs and statistics commonly used in ecology and evolutionary biology. Skills gained include critical assessment of primary literature, design and implementation of field experiments, and analysis/presentation of data.

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.

Forensic Entomology

Heather Keitchum, The University of Oklahoma
ZOO 4970/5970, Sec. 055, 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, polymerase chain reaction, microsatellite gene assays and protein electrophoresis.

Wildlife Conservation

Richard Kazmaier, Texas A & M University
ZOO 4970/5970, Sec. 050, 3 credit hours

Lectures, discussions and extensive readings concerning current and historical issues in wildlife conservation will be supplemented with field exercises

designed to expose students to the important techniques used in the management and conservation of wildlife. Emphasis will be placed on critical thinking as well as the techniques necessary to make sound conservation decisions.

SESSION II: Aug. 2-Aug. 14

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.

Senior Capstone

THE HUMAN FORM: From Nature's Marvel to Nature's Freak

Cindy Gordon, The University of Oklahoma
ZOO 4983, Sec. 200, 3 credit hours

(Senior Capstone Course for OU ZOO Students Only)

This course will be a study of all aspects of the human form. Discussions will focus on the evolutionary history of the human form, the exploration of natural and man-made changes, and how society deals with such deviations from the norm. These are just a few of the topics that will be covered by exploring the scientific and popular literature on the human body.

Vascular Aquatic Plants

Bruce Smith, The University of Oklahoma
BOT 4990/5990, Sec. 050, 3 credit hours

This course will study the forms and life histories of the less familiar non-flowering plants. Class discussions will include variation in non-flowering plant reproduction, ecological interactions, morphological adaptations and the importance of each to man and his environment. Numerous field trips will facilitate study of non-flowering plants and their habitats.

TUITION AND FEES

Per 3 credit hours

A 4000-level course costs \$774.25 to \$1,895.35 and a 5000-level course can cost from \$888.55 to \$2,240.65. 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 the Oklahoma State 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 or the Bursar's Web site: bursar.ou.edu/tuition_fees.cfm.

ROOM AND BOARD

Room and Board (Package): \$456.00

Meals*: \$21.00 per day or

Breakfast: \$5.50; Lunch: \$7.00; Dinner: \$8.50

Facility Fee*: \$24.00

*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 \$250.00 to the taxpayers of the State of Oklahoma.

The University of Oklahoma is an equal opportunity institution.