



DEPARTMENT OF WILDLIFE, FISH, & CONSERVATION BIOLOGY  
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ONE SHIELDS AVENUE  
DAVIS, CALIFORNIA 95616-8571

January 12, 2009

UCD Graduate Students

Re: Application for Teaching Assistant/Reader Positions  
Academic Year 2009-2010  
Department of Wildlife, Fish, & Conservation Biology

Dear Applicant,

Attached you'll find an application for teaching assistant and reader positions in the Department of Wildlife, Fish, & Conservation Biology. A list of proposed courses for academic year 2009-2010 are included; however, actual positions may vary. Courses receive TA or reader support based on enrollment and availability of funding.

We recommend that you provide copies of transcripts. Optional items you may submit are: (1) summaries of student evaluations from at least one previous teaching assistantship; (2) optional letters of recommendation. Please review your application for completeness and accuracy.

For first consideration, applications should be submitted by April 30, 2009, to Michelle Lee or Steven Garcia Wildlife, Fish, & Conservation Biology, University of California, Davis, California 95616; via fax 530-752-4154; or email, [mflee@ucdavis.edu](mailto:mflee@ucdavis.edu) or [sgarcia@ucdavis.edu](mailto:sgarcia@ucdavis.edu). Applications are accepted throughout the year.

For further information, please call 530-752-6584 or 530-752-6586. Thank you for your interest in our teaching assistant/reader program.

A handwritten signature in cursive script that reads "Michelle Lee".

Michelle Lee  
Department Manager

Wildlife, Fish, & Conservation Biology  
TA Supported Courses  
2009-2010

**WFC 010 Wildlife Ecology and Conservation.** (F& S) Introduction to the ecology and conservation of vertebrates. Complexity and severity of world problems in conserving biological diversity.

**WFC 011 Introduction to Conservation Biology.** (S) Introduction to conservation biology and background to the biological issues and controversies surrounding loss of species and habitats for students with no background in biological sciences. Offered in alternate years.

**WFC 100 Field Methods in Wildlife, Fish, and Conservation Biology.** (S) Introduction to field methods for monitoring and studying wild vertebrates and their habitats, with an emphasis on ecology and conservation. Required weekend field trips.

**WFC 101/101L Field Research in Wildlife Ecology.** (F) Field research in ecology of wild vertebrates in terrestrial environments; testing ecological hypotheses through field research, application of research methodology, supervised independent research projects. Lab portion held between Labor Day and fall quarter. Offered in alternate years.

**WFC 102L Field Studies in Fish Biology.** (S) Field investigations of fish biology are emphasized including quantitative capture methods and individual research projects on ecology, behavior, physiology or population biology of fishes at the field site in relation to their habitats. Offered in alternate years.

**WFC 110L Laboratory in Biology and Conservation of Wild Mammals.** (S) Laboratory exercises in the morphology, systematics, species identification, anatomy, and adaptations of wild mammals to different habitats.

**WFC 111L Laboratory in Biology and Conservation of Wild Birds.** (F) Laboratory exercises in bird species identification, anatomy, molts, age and sex, specialized adaptations, behavior, research, with emphasis on conservation of wild birds

**WFC 120/120L - Biology and Conservation of Fishes.** (F) Evolution, ecology, and conservation of marine and freshwater fishes. Lab portion teaches morphology, taxonomy, conservation, and identification of marine and freshwater fishes with emphasis on California species.

**WFC 121 Physiology of Fishes.** (F) Comparative physiology, growth, reproduction, behavior, and energy relations of fishes.

**WFC 122 Population Dynamics and Estimation.** (S) Description of bird, mammal and fish population dynamics, modeling philosophy, techniques for estimation of animal abundance (e.g., mark-recapture, change-in-ratio, etc.), mathematical models of populations (e.g., Leslie matrix, logistic, dynamic pool, stock recruitment); case histories.

**WFC 130 Physiological Ecology of Wildlife** (W) Animal functions, adaptations, and ecological energetics of wildlife. Nutrition, metabolism, and productivity are emphasized as a pattern of relationships for understanding the distribution and abundance of wild ectotherms and endotherms in time and space. Offered in alternate years.

**WFC 136 Ecology of Waterfowl and Game Birds.** (W) Detailed examination of distribution, behavior, population dynamics, and management of waterfowl and upland game birds. Offered in alternate years.

**WFC 151 Wildlife Ecology.** (F) Ecology of wild vertebrates, including habitat selection, spatial organization, demography, population growth and regulation, competition, predation, and community dynamics, set in the context of human-caused degradation of environments in North America.

**WFC 154 Wildlife Ecotoxicology.** (F) Various forms of environmental pollution in relation to fish and wildlife, the effects and mechanisms of pollutants, effects on individuals and systems, laboratory and field ecotoxicology, examples/case histories, philosophical/management considerations.

**WFC 155 Habitat Conservation and Restoration.** (W) Analysis of the characteristics of wildlife and fish habitats, the conservation of habitats, and restoration. Offered in alternate years.

**WFC 156 Plant Geography** (W) Survey of the geographical distribution of vegetation types and habitats, with consideration of the environmental and historical factors that determine these patterns. Conservation and management approaches. Analytical field and lab techniques introduced.

**WFC 157 Coastal Ecosystems.** (S) Overview of coastal ecosystems, physical and biological elements and processes, and coastal zone dynamics, including sandy, rocky and muddy shorelines, estuaries, dunes and coastal watersheds. Discussion of the role of historical factors and conservation, restoration, and management approaches. Offered in alternate years.



Describe why you are particularly well qualified to teach or read for each of the courses you've identified in this application; you may combine courses with similar requirements. **BE SPECIFIC**. Please include relevant course preparation, field experience, or prior teaching qualifications. Attach additional pages, as needed.

Signature of Applicant \_\_\_\_\_

Date \_\_\_\_\_

The University of California, Davis, and the Wildlife, Fish, & Conservation Biology Department are interested in candidates who are committed to the highest standards of scholarship and professional activities, and to the development of a campus climate that supports equality and diversity. The University of California is an affirmative action/equal opportunity employer.

Inquiries regarding the University's equal employment opportunity policies may be directed to: Provost and Executive Vice Chancellor and Affirmative Action Officer, Office of the Chancellor, 5th Floor Mrak Hall, (530) 752-2065 or FAX (530) 752-2400. Speech or hearing impaired persons may dial (530) 752-7320 (TDD).