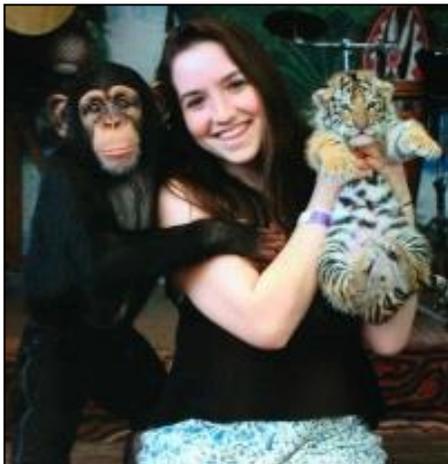




The University of Vermont

# Zoo, Exotic and Companion Animals



**Department of Animal and  
Veterinary Sciences**



All Animal and Veterinary Sciences options provide for a science-based curriculum that includes animal biology, nutrition, genetics, animal health, biology, chemistry, and math, coupled with a liberal education. They all also offer a combination of classroom, laboratory, and hands-on experience, and opportunities to participate in undergraduate research, or develop internships related to animal science.

The **Zoo, Exotic and Companion Animals Option** is particularly attractive to students who wish maximum flexibility in tailoring a program of study. Students select a combination of introductory science, zoo, and companion animal courses, and balance these with other University offerings. Under this option, students design a program to suit their needs. An internship experience is usually a valuable part of this option. (visit the Animal and Veterinary Sciences Internship Website at <http://asci.uvm.edu/intern/> )

A requirement of all Animal Science majors, *Introductory Animal Science*, helps students learn about the physiological and psychological processes involved in care, maintenance and reproduction of domestic animals. Students build on their knowledge of the scientific process and solve problems in Animal and Veterinary Sciences. Laboratories expose students to various animals and allow them to develop critical thinking skills.



Other Animal and Veterinary Sciences courses also enhance the Zoo, Exotic and Companion Animals option such as *Companion Animal Care & Management; Zoos, Exotics & Endangered Species; Advanced Zoos, Exotics & Endangered Species; Animals in Society/Animal Welfare; Dog Training & Behavior; Clinical Topics: Companion Animal Medicine, & Applied Animal Health*. Numerous courses throughout the University complement this program. For example, this option is often used by students interested in human/animal interactions, animal

welfare, and zoo animals. Wildlife courses can be combined with Animal and Veterinary Sciences offerings for those interested in working in a forest or wildlife environment. Communications courses can be combined with Animal and Veterinary Sciences courses for those with a journalism interest. Business courses can be included for students interested in eventually developing a small business, such as a dog kennel. The possibilities are endless!

As with the other Animal and Veterinary Sciences options, Zoo, Exotic and Companion Animals offers a variety of hands-on experience through our coursework, internships, and research opportunities.

Working with live animals is an integral part of some courses, and field trips, speakers, and live animal presentations likewise augment the educational experience.



Students who are interested in an animal-related career should consider the flexibility and academic excellence of the Zoo, Exotic and Companion Animals option of the Animal Science major. Let our knowledge and experience help you achieve your dreams!

## Highlights of Course Enhancement Activities



Teaching Award – Senior Animal and Veterinary Sciences Lecturer, Pat Erickson, DVM, received the Joseph E. Carrigan Teaching Award for Excellence in Undergraduate Teaching. This award recognizes a faculty member for outstanding efforts in undergraduate teaching and advising. Professor Emeritus, Dr. Lyndon Carew, describes Pat as, “a practicing veterinarian who occupies a unique niche in the department, teaching about exotic and companion animals such as gorillas and dogs and cats. Her basic style is to develop a dynamic environment that engages the student. Innovation is most important to Pat. Besides lectures, she uses service learning, case-based learning, experiential learning, and both national and international field trips.”



Zoos, Exotics, and Endangered Species students were fortunate to be invited to participate in a “Roots and Shoots” symposium at Western Connecticut State University with nationally renowned primatologist **Dr. Jane Goodall** (pictured below in the middle of the group). <http://www.rootsandshoots.org/>.



Founded by Dr. Jane Goodall, the Roots & Shoots® program inspires youth of all ages to make a difference by becoming involved in their communities. Each Roots & Shoots group plans and implements service-learning projects that promote care and concern for animals, the environment, and the human community.



Department of Animal and Veterinary Sciences provides additional enrichment experiences for students in Dr. Erickson’s classes by inviting a representative from VINS (Vermont Institute of Natural Science) to present an informative demonstration using several birds of prey, or “Raptors in flight.” These magnificent creatures were each brought to the Institute with an infirmity that prohibits it from being released into the wild.



When Dr. Erickson’s Zoos, Exotics & Endangered Species class took a trip to the New England Aquarium in Boston, they spoke to aquaculturists who are responsible for the health and well-being of the new sea creatures exhibit featuring Seadragons which are found *only* along Australia’s southern coast. The class also went behind the scenes and was shown the veterinary diagnostic area, surgical facility, reef tank, turtle rescue center, and witnessed a private sea lion training demonstration.



Dr. Erickson’s Advanced Zoos class, ASCI 272, travelled to Cornell University-VET MED, the Rosemond Gifford Zoo, and the Cornell Lab of Ornithology to experience behind-the-scenes and learn about wildlife medicine, conservation and curational science.

**ZOO, EXOTIC & COMPANION ANIMALS OPTION** - This concentration is designed for students who are primarily interested in zoo, exotic, and companion animals and are interested in transitioning to jobs in these industries after graduation. Courses are offered on the management, care, breeding, health and training of zoo, exotic and companion animals with hands-on experiences available locally and through summer course work and internships.

Some examples of recommended courses are:

		Credits	Semester Taken
ASCI 006	Companion Animal Care & Management	3	_____
ASCI 118	Applied Animal Health	3	_____
ASCI 171	Zoos, Exotics & Endangered Species	3	_____
ASCI 192	Equine Reproduction Workshop	1	_____
ASCI 192	Artificial Insemination	1	_____
ASCI 195/196	Field Experience	.5-15	_____
ASCI 263	Clinical Topics in Companion Animal Medicine	3	_____
ASCI 272	Advanced Topics: Zoos, Exotics & Endangered Species	3	_____
BIOL 225	Physiological Ecology	3	_____
CDAE 002	World Food, Population & Development	3	_____
MMG 101	Microbiology & Infectious Disease	4	_____
MMG 223	Immunology	3	_____
PSYC 109/10	Research Methods	8	_____
PSYC 121	Biopsychology	3	_____
PSYC 205	Learning	3	_____
PSYC 220	Animal Behavior	3	_____
PSYC 222	Selected Topics in Behavioral Neuroscience	3	_____
WFB 130	Ornithology	3	_____
WFB 174	Principles of Wildlife Management	3	_____
WFB 175	Wildlife and Society	3	_____
WFB 232	Ichthyology	3	_____
WFB 275	Wildlife Behavior	3	_____