

As a Zoology or Animal Science major, you have the unique opportunity to study familiar topics from a different perspective while studying abroad. You will be able to develop your skills and studies while gaining the environmental experience of a completely different continent. The following is a sample of the courses available. Contact Interstudy for a complete listing and more information at 800.663.1999.

IRELAND

University College Cork

ZY3009 Aquatic Biology

This module will introduce the basic habitat characteristics; adaptations and communities in a range of marine and freshwater systems, including the open ocean, the inter-tidal, estuaries, ponds, lakes, streams and rivers. (Staff). On successful completion of this module, students should be able to: Recount the ecological principles driving aquatic habitats and biotic communities. Distinguish between the main groups of plants and animals inhabiting freshwater and marine aquatic habitats. Recall key criteria used in identifying fauna from particular aquatic animal groups. Demonstrate an ability to collect and correctly analyze chemical and biotic data from selected aquatic habitats.

Other Courses Offered:

ZY2000 Vertebrate Diversity

ZY3011 Comparative Animal Psychology

ZY4019 Animal Ecology

ZY2001 Evolution

University College Dublin

ZOOL20020 This module will discuss a wide-ranging review, including insects, vertebrates and Man, of significant and fundamental aspects of animal behaviour. Phenomena dealt with in detail include: insect chemoreception with special reference to chemical cues, interpretation of deer behaviour in the context of game theory, and the role of pheromones in human behaviour.

Other Courses Offered:

ZOOL20010 Animal Form and Function

ZOOL40010 Biodiversity

ZOOL30060 Biogeography and Field Biology

ZOOL10010 Medical Zoology

SOUTH AFRICA

Nelson Mandela Metropolitan University

ZOO220 Comparative Vertebrate Anatomy

Course discusses the following topics: Respiratory, circulatory, digestive, and urogenital systems, Dissections of examples of various groups e.g. Pisces, Amphibia, Reptilia, Aves and Mammalia.

Other Courses Offered:

ZOO110 Animal Cell Biology and Histology

ZOO140 Animals in the Environment

ZOO311 Aquatic Ecology

ZOO120 Animal Diversity

Rhodes University

ZOO301 African Terrestrial Zoology

This course uses the African fauna to illustrate the principles of behavioural and physiological adaptation to terrestrial habitats. An introductory section on African biogeography is followed by an examination of the problems and solutions associated with life in particular environments. These include arid habitats, mountain and forest habitats and grasslands/savanna. A short field trip may be held.

Other Courses Offered:

ZOO201 Principles of Ecology and Evolution

ZOO202 Environmental and Behavioural Psychology

CEL101 Cell Biology

ZOO302 Marine Biology

SOUTH AFRICA

University of Cape Town

BIO2003S Ecophysiology: How Plants and Animals Work

The course provides an understanding of basic physiological processes in plants and animals from cellular to organismal level. It draws on the structural and functional similarities and dissimilarities between plants and animals in respect of topics such as nutrition, gas exchange, transport of water and nutrients (plants), osmoregulation and water relations (animals) and chemical communication, presented in an ecological and evolutionary framework.

Other Courses Offered:

BIO1004S Biological Diversity

BIO2006F Marine and Terrestrial Plant Diversity

BIO3002S Marine Ecology

BIO1000F Cell Biology

University of KwaZulu-Natal, Pietermaritzburg

BIOL324 P1 Evolution in Animal Physiology

Environmental resource availability, gross energy of consumption, metabolizable energy, maintenance energy, net energy, production energy, reproductive energy, energetic basis of fitness, physiological adaptation.

Other Courses Offered:

BIOL213 P1 Invertebrate Diversity and Conservation

ANSI 703 P1 Companion Animal Nutrition

BIOL222 P2 Vertebrate Biology

ANSI770 P2 Advanced Reproductive Physiology

University of the Witwatersrand

APES2027 Savanna Diversity

This unit will outline principles and concepts of diversity and endemism and together with the field component aims: to introduce students to the floristic and insect composition and diversity in savanna environments; to teach students some methods to measure aspects of diversity; to introduce the concepts of endemism and threatened taxa and their links to geographical distribution; to learn some bushveld plants and insects and to introduce skills and literature required to identify plants and insects; to discuss some of the issues related to assigning conservation values to communities and habitats; and to introduce students to some of the issues and difficulties that scientists deal with when undertaking environmental impact assessments. The unit will be taught both at Wits and in the field and will comprise lectures, and a field trip to Limpopo Province. Field data will be gathered and these data will be analysed and interpreted during practicals and tutorials at Wits. These data and interpretations will then be used for groups of students to present seminars and for each student to write reports

Other Courses Offered:

APES2025 Savanna Ecology

APES2013 Behavioural and Evolutionary Ecology II

APES Evolution

APES Parasitology