

As a health sciences major, it might be difficult to study abroad and still take the courses required for your major. However, there are a variety of host institutions that allow you to fulfill course requirements and experience the cultural diversity of studying in Britain, Ireland, South Africa or Botswana. Studying the health sciences from a new cultural perspective will enrich your studies and help you gain new insights. The following is a sample of courses available. Contact Interstudy for a complete listing and more information at 800.663.1999.

BRITAIN

King's College, University of London

6KNIF320 Assessing Child and Family Health

This course aims to give participants with an interest in child health, an opportunity to critically examine the factors impinging on the health and well being of the developing child in the UK in the early 21st century. The course will adopt an ecological approach to child and family health assessment. Development of the family and child centred public health nursing role will be a key element within the course.

Other Courses Offered: 6KNIW309 Contraception and Sexual Health, MX1000 Practice of Medicine, 6KNIA313 Asthma Care: An Evaluative Approach, 6KNIS312 End of Life in Contemporary Society

University of Westminster - School of Biosciences*

*Includes Biochemistry, Biomedical Sciences, Biotechnology, Environmental Science, Microbiology and Physiology
3SAB474 Cell Science: The Eukaryotic Cell

Eukaryotic cell diversity; membrane structure and function; intracellular components; chemotrophic and phototrophic energy metabolism; cellular information, DNA, chromosomes, nucleus; cytoskeletal system; cell cycle; replication, mitosis and meiosis; gene expression; Mendelian genetics; karyotyping and chromosomal defects; key cells and tissues of the body; cell communication and disease.

Other Courses Offered: 3HCS547 Human Nutrition, 3HCS653 Public Health, 3SBS478 Dilemmas in Bioscience, 3SBS479 Drugs and Therapeutics

University of Westminster - School of Integrated Health*

* Includes Anatomy, Yoga, Chinese Medicine, Herbal Medicine, Nutrition, Homeopathy and Sports Therapy
3CTS500 Energy Concepts and Therapeutics

This course explores traditional, esoteric and scientific views of the human body as an energy system. It aims to illustrate how the various philosophies concerning the body as an energetic system can be integrated to produce an holistic framework for the development of therapeutic modalities. You will consider practical techniques used in energy healing, developing sensitivity to energy, the placebo and nocebo effect, the history of energy healing, current research and the evidence base for energy healing.

Other Courses Offered: 3CMR431 Perspectives in Complementary Medicine, 3CMN509 Dietetics and Dietary Therapy, 3CMO402 Principles and Practice of Reflexology, 3CMO401 Principles and Practice of Aromatherapy

University College London

ANAT1003 Introduction to Human Anatomy

Anatomy 1003 is an introductory course in human anatomy aimed at non-specialists. The course will cover the nervous system, cardiovascular system, respiratory system, digestive system, endocrine system, musculoskeletal system and the special senses. The topographical anatomy and the histology of each system will be taught by lectures, practical classes and some hands-on microscopy.

Other Courses Offered: PHAR1001 - Introduction to Mechanisms of Drug Action, ANAT2008 - Developmental Neurobiology, PHOL3001 - Respiration in Health and Disease, HMED3006 - Medicine and Modern Society

IRELAND

University College Cork

PT3001 Introduction to Pharmacology

Drug nomenclature, development and testing. Dose-response. Pharmacodynamics (drug action, specificity, antagonism). Pharmacokinetics (drug absorption, distribution, metabolism and excretion) and pharmacokinetic modelling. Cell signalling; neurotransmitters. Selected topics from CNS / cardiovascular / respiratory / endocrine pharmacology / chemotherapy / social drugs and dependence.

Other Courses Offered: PC2008 Child Illness and Health Promotion, PT4005 Neuropharmacology, PC3001 Pediatrics, Child Health and Special Needs, PT3004 Advanced and Occupational Toxicology

University College Dublin - Genetics

GENE30010 Genetics and Recombinant DNA

This module will provide students with an understanding of the variety approaches to and applications of molecular cloning. These range from cloning specific DNA sequences to generating gene libraries for genome sequencing. Different cloning approaches will be covered; from cloning microsatellite markers to the use of cloning to express proteins in animal, bacterial or plant cells. Molecular cloning has been one of the main drivers for gene discovery. DNA sequence databases generated from genome sequencing are now a fundamental resource for all molecular biologists, the development of different database types will be covered. Understanding of animal and plant development has benefited from the adoption of model organisms, particularly those whose genomes have been sequenced. This has been aided by the development of resources for forward and reverse genetics in these species coupled with map-based cloning of genes. This knowledge and tools developed for cloning is now being applied to the molecular analysis of natural populations.

Other Courses Offered: GENE30020 - Genome Structure, GENE30030 - Genetic Basis of Disease, GENE40010 - Epigenetics, GENE20010 - Plant and Animal Genetics

University College Dublin - Neuroscience

NEUR20030 Integrated Brain

This module will explore the structure and function of the neuron and nervous system including the brain and its component parts. Basic principles of brain evolution and development will be discussed. Students will also be introduced to sensory and motor neuroscience, learning and memory and diseases of the nervous system including Parkinson's and Alzheimer's disease. During the course of the module students will be required to submit an essay from a list of topics provided in advance.

Other Courses Offered: NEUR20040 - Principles of nervous system, NEUR30080 - Membrane biology, NEUR40030 - Synaptic signalling, NEUR30070 - Higher Cortical Function

University College Dublin - Physiology

PHYS20020 - Neurophysiology

Neurophysiology and neuroanatomy are presented in an integrated fashion with a particular emphasis on anatomical and histological structures. The autonomic nervous system is introduced first due to its historical importance in the field of neuroscience and as a model integrated neural system. The somatosensory system is dealt with from peripheral receptor transduction to cortical processing of information about the external and internal environments. Other aspects of sensory systems including vision, hearing, and vestibular system are introduced in this module. Higher functions of the central nervous system nervous are introduced. The topics of cerebral blood flow and circulation of cerebrospinal fluid are discussed. Students will examine skull, brain and spinal cord in the anatomical dissecting rooms. Students will also be introduced to the physiological principles and histology of nervous tissue and endocrine glands including the hypothalamus, pituitary, thyroid, adrenal, endocrine pancreas, male and female reproductive tracts.

Other Courses Offered: PHYS30010 - Cardiovascular System, PHYS30020 - Respiratory Physiology, PHYS20040 - An introduction to Physiology, PHYS30190 - Experimental Physiology

IRELAND

University College Dublin - Pharmacology

PHAR20010 - Principles of Pharmacology

This module covers the fundamental principles of interactions of the body with drugs (drug absorption, metabolism and excretion), interactions of drugs with the body (drug targets, receptor agonists and antagonists and intracellular receptor signaling) and neurotransmitter signaling.

Other Courses Offered: PHAR30010 - Chemotherapeutic agents, PHAR20020 - Drug action in body systems, PHAR30030 - Toxicology, PHAR30050 - Molecular pharmacology

University of Limerick - Nursing (General)

LA4205 Nursing And Midwifery and The Law

The sources of law: the Constitution, case law, and legislation. The court structure; tribunals and other dispute resolution mechanisms. The regulatory framework: The Nurses Act An Bord Altranais, registration, and control on the right to practice, proposed Nurses and Midwives Act. Record keeping and confidentiality. Data Protection legislation, freedom of information legislation, The midwifery and nursing environment hospitals, community, nursing homes; health and safety provisions Charter of Patients rights Disciplinary issues: fitness to practice, investigation, and sanction. Issues in criminal and tort law in the practice of nursing and midwifery: liability for negligence. Administration of drugs; issues of consent. Mental health provisions. Wills issues in fundamental human rights.

Other Courses Offered:

NS4211 The Art and Science of Nursing

NS4221 Adult Nursing Care

NS4213 Principles of Nutrition Nursing

NS4013 Health Studies

University of Limerick - Nursing (Mental Health)

NS4423 Altered Homeostasis and Mental Health

The inter-relationship between mental and physical health. Aetiology, signs and symptoms, treatment of physical illnesses in the following systems; circulatory, lymphatic, respiratory, integumentary, digestive, endocrine, reproductive, urinary, auto-immune and central nervous systems, special senses. Nursing care and management of a person experiencing a physical illness. Psycho-physiological responses and somatoform disorders.

Other Courses Offered:

NS4022 Pharmacology for Nurses and Midwives

NS4405 Mental Health Nursing/Special Client Groups Disorder

NS4415 Mental Health and the Care Continuum

SOUTH AFRICA

Nelson Mandela Metropolitan University

VPN302 Contemporary Nursing Practice

Ethical aspects of nursing practice. The Nurses' Bill of rights. Geneva Conventions. The Nurse and Labour Relations. The private nurse entrepreneur. Contemporary issues in Southern Africa. Leadership and globalization.

Other Courses Offered:

VPN503 Nursing Theories

VPG105 Family Planning and Genetics

VPN201 Ethos of Nursing

ZCH302 Molecular Structure/Drug Action

University of the Western Cape

CUR324 Community Health Nursing

This course will discuss the following topics: Primary clinical skills assessment, planning, diagnosing, management; Communicable and non-communicable diseases; Occupational health screening; Population based health promotion; Epidemiological principles.

Other Courses Offered:

CUR331 Midwifery, NRS324 Child Health, NRS421 Research Methods, NRS411 Psychiatric Nursing

SOUTH AFRICA

Stellenbosch University: Summer Program

Course 4: HIV and Aids: A SOUTH AFRICAN PERSPECTIVE *

This course aims to nurture and develop the necessary knowledge, skills and attitudes in students as leaders and future professionals to manage HIV prevention and care in the workplace, both locally and abroad. This course will aim to develop a global understanding of HIV and AIDS through a South African experience of the HIV epidemic.

* **NB:** Courses are subject to availability. Course titles and descriptions based on Summer 2011 course offerings.

BOTSWANA

University of Botswana

BNS101 HIV/AIDS Prevention and Control in Botswana

This module develops the knowledge base from which graduate clinical skills may be fostered and whereby radiography may be practised within professional and legal contexts. The focus will be on trauma and theatre radiography, mammography and skeletal surveys. For the radiographic examinations addressed, the role and responsibilities of the radiographer together with the clinical applications will be discussed, and evidence-based, safe and legal practise will be emphasised. For each type of radiographic examination, lecture sessions will lead the student through the relevant theory. This knowledge base will then be consolidated by student-driven small group activities and discussions.

Other Courses Offered:

BNS304 Community Mental Health Nursing

BIO231 Human Anatomy

BNS309 Community-Based Nursing Care Practicum

BNS201 Introduction to Professional Nursing