



The University of Cantabria offers a catalogue of courses taught in English that are integrated in different thematic programs. The courses are open to exchange students and it is possible to combine them with other regular courses in Spanish. For non-native students a B2 level of English is recommended.

Unit courses (6 ECTS)

Molecular Biology of the Cell G1573 - Spring

The Course is Focused on the molecular biology of human cells and human biology. The contents include i) principles of genome organization and gene expression; ii) mechanisms of protein synthesis and folding, and sorting to the cell compartments; iii) molecular mechanisms of cell division and signal transduction, with a special focus on cancer. The course includes 25h of practical exercises, laboratory, bio-informatics and presentations by the students.

Organ Histology G1635 - Fall

The Course introduces students to the microscopic world in our body, to offer an overview where the dynamism of our organs can be understood in close relationship with the function that every single cell and tissue develop as part of a more complex system; the human body. A broad display of images of cells, tissues and organs will be presented for further discussion. Practical activities will give the students the opportunity to observe the cells, tissues, and organs through the microscope.

Fundamental Pharmacology G1371 - Spring

In this course we will study the mechanisms of action and use of drugs, understanding what drugs do to the body (pharmacodynamics) and what the body does to drugs (pharmacokinetics). It integrates the knowledge of many scientific disciplines -chemistry, physiology, bio-chemistry, immunology and molecular biology. The course consists of a combination of lectures, computer-assisted lab practices, small group team activities and problem based learning sessions. This knowledge will help to place in context the rationale for the development and use of different medicines to treat various disorders that affect organ systems, and their associated side-effects profile.

Introduction to Clinical Practice: A Patient Oriented Approach G1743 - Spring

This course is open to students who have already studied the biomedical sciences (biochemistry, anatomy, etc.) and have also been exposed to pathophysiology and the basis of clinical diagnosis. The aim of this course is to fill the gap between basic sciences (physiology, biochemistry, anatomy) and clinical sciences, as well as between theoretical clinical knowledge and clinical practice. Students will learn to apply previous knowledge to patient diagnosis, to perform a focused physical examination, to interpret common ancillary tests and to search the medical literature to fill knowledge gaps in patient care.

Addictive Disorders-Drug Dependence

G1358 - Spring

Regular consumption of psychoactive drugs, either legal or illegal, may lead to a great number of personal and/or social problems, which are higher when an addictive disorder develops. The course deals with the main addictive substances (nicotine, alcohol, cannabis, heroin, cocaine, ... as well as the newest ones) and addictive behaviours (like gambling and others), and with the different biological, psychological and social factors, which are able to exert a strong influence on these repetitive behaviours. Trying to avoid reductionist perspectives, it emphasizes the biological effects of drugs, their clinical, psychological and social consequences, and the different preventive and therapeutic approaches that have been shown to be effective in tackling their consumption and consequences.

Community Health Care G1634 - Spring

The aim of this course is that students will be able to obtain and analyze data about Community Health in order to set Evidence-Based interventions to promote Health and to minimize Health-related problems in people, Families and Community. The contents are organized in three parts: PART I. Introduction to research; PART II. Most Prevalent Chronic Diseases; PART III. Communicable Diseases. The course includes practical hours in which activities are intended to delve into any of the contents of the course, and to promote teamwork skills, biostatistics skills, scientific information management, case discussions and public communication, based on previously established criteria. In addition, small group work is performed to obtain skills in searching in databases and critical reading and comprehension of scientific articles.



Study in English at UC Pre-Med



Master's Degree in Molecular Biology and Biomedicine

Exchange students can take up to 30 ECTS from UC official Master's studies. The UC Master's Degree in Molecular Biology and Biomedicine is oriented towards cutting-edge research in the fields of Molecular Biology and Genetics, as well as in a variety of molecular aspects of Biomedicine. The Master offers the following 6 ECTS courses taught in English:

- *Workshop of Biomedicine. M1 - Fall
- *Genetic Engineering and Biotechnology. M1508 - Fall
- *Molecular Bases of Cell Proliferation, Differentiation and Death. M1579 - Fall
- *Structure of Macromolecules. M1581 - Fall

More information at the following link:

[http:// web.unican.es/en/Studying/Documents/MBMB.pdf](http://web.unican.es/en/Studying/Documents/MBMB.pdf)

Courses in other disciplines

A complete list of courses taught in English can be found in the following link:
<http://web.unican.es/en/Studying/academic-offer/courses-taught-in-english>

Of special interest are the courses dealing with Spanish Language, History and Culture:

- Spanish History and Culture. G1806 - Spring
- Spanish Language. G1807 - Spring
- European Culture and Civilization. G1808 - Spring
- Cross-Cultural Spanish Arts. G1809 - Spring
- Prehistoric European Art. G1504-Spring
- Contemporary Spain (1939-2009). Politics, Society and Culture. G1810 - Spring
- Discovering Spanish Landscapes. G1811 - Spring
- Playing with Words: The Spanish Literature in its Main Texts. G1812 - Spring



Vice-rectorate for Internationalization

Avenida de los Castros s/n 39005 Santander (Spain)

<http://web.unican.es/en/Studying/academic-offer/courses-taught-in-english>



[+34] 942 20 10 18

exchange.students@unican.es