



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)

Medicine

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.

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.

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.

Medical English

G132 - Fall

The objectives of this course are: i) to familiarize students with medical language in oral and written English in its academic and dissemination aspects; ii) to provide students with the linguistic skills in spoken and written English that allow them to function effectively in the academic and professional field of medicine; iii) to provide students with instruments and strategies for effective oral communication by presenting lectures in the classroom; iv) to develop reading comprehension strategies related to specialized medical texts; v) to expand students' knowledge in the field of scientific-medical terminology; and vi) to develop students' communicative competence by providing them with improvement guidelines and effective work techniques for oral and written communication in English

Nursing

Community Health Care

G1634 - Spring

The aim of this course is that students will be able to obtain and analyse 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 Health Sciences



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
- * **Current Advances and Future Trends in Molecular and Cellular Microbiology.** M2188 – Fall
- * **Molecular Bases of Cell Proliferation, Differentiation and Death.** M1579 - Fall
- * **Structure of Macromolecules.** M1581 - Fall

More information at the following link:

<https://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
- **Contemporary Spain (1939-2009). Politics, Society and Culture.** G181 O - Spring
- **Discovering Spanish Landscapes.** G1811 - Spring
- **Playing with Words: The Spanish Literature in its Main Texts.** G1812 - Spring
- **Prehistoric European Art.** G1504 - Spring

