



UNIVERSIDAD  
DE GRANADA



CENTRO DE  
LENGUAS  
MODERNAS

CURSOS DE LENGUA Y CULTURA EN  
INGLÉS

SCIENCE AND TECHNOLOGY

HEALTH SCIENCES AND PUBLIC HEALTH  
IN SPAIN



## HEALTH SCIENCES AND PUBLIC HEALTH IN SPAIN

### GENERAL DESCRIPTION

This course is intended to; on the one hand, offer a generic view of the most important aspects of the Spanish health system and its comparison with other European systems, as well as their institutions and to cover some specific aspects of diseases of interest, in a context of scientific and technical vocabulary. On the other hand, the course also aims to identify what factors, together with the health system, determine the level of health of a population. The relative importance of these factors will be analyzed on the basis of the socioeconomic characteristics of a country, as well as the interventions that are made for prevention and control by the public health system.

### CONTENTS

#### THEORETICAL SYLLABUS:

- Tema 1. Concept of health and public health. Health inequalities of a population
- Tema 2. Evidence-based health policies and recommendations: research in epidemiology and public health in Spain
- Tema 3. Spanish and International Health Systems and Organizations
- Tema 4. Introduction to the most frequent pathologies In Spain and Europe.
- Tema 5. Epidemiology, prevention, and early detection of cancer
- Tema 6. Demography and Public Health in Spain in the COVID-19 era
- Tema 7. Psychosocial determinants of health



## CONTENTS

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- Tema 8. Lifestyles as determinants of health. The example of diet
- Student presentations
- Tema 9. Diabesity. The epidemic of diabetes and obesity in Spain and in the world. Control and prevention.
- Tema 10. Health Economics
- Tema 11. Rare diseases: The example of childhood cancer
- Tema 12. Environment and health in Spain and worldwide. The case of chronic exposure to environmental chemical
- Tema 13. Bioethics and communication in healthcare
- Tema 14. Emerging pathologies. The case of COVID-19 in Spain. Pollutants
- Tema 15. The Spanish system of organ transplants. National Bank of Blood and donations
- Tema 16. Be a Public Health Officer for a Day
- Tema 17. Visit to the Andalusian School of Public Health and Mind, Brain and Behavior Research Center
- Tema 18. Visit to the Faculty of Medicine and the Biomedical Research Center. University of Granada

## STUDENT PRESENTATIONS

- One presentation on proposed topics.

## TEACHING METHODOLOGY

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- Presentations with projection through Computer in Power Point format.
- Teaching materials delivered in class.
- Be able to:



## TEACHING METHODOLOGY

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- To have knowledge about the concepts of health and its determinants.
- To have basic knowledge on Public Health.
- To have basic knowledge about the health systems of different countries.
- To have knowledge about the most frequent and most relevant diseases in the health of the population.

## ASSESSMENT

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- To be able to be evaluated the assistance is needed to 80 per cent of the classes.
- There will be a Partial Exam and a Final Exam. Both mandatory.
  - The two exams will be with Written test questions.
  - The maximum total score will be 10.
  - The Partial exam will have a maximum of 3 points. (30% of the final grade).
  - The Final exam will have a maximum of 4 points. (40% of the final grade).
- The presentation will have a maximum score of two points (20% of the final grade), of which, one point will be evaluated in relation to the way of exposing and clarity in the exhibition and the other point, will be related to the agenda and content.
- Participation in class will have a maximum of 1 point. (10% of the final grade).

## BIBLIOGRAPHY

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- Manual de Epidemiología y Salud Pública para grados en Ciencias de la Salud. 3ª Edición. 2018 Editorial Medica Panamericana
- Piedrola Gil, Medicina preventiva y salud pública (12ª ed.) Ed. Masson, 2015.
- Web del Ministerio de Sanidad y Consumo de España. <https://www.mscbs.gob.es/>
- Sistema Nacional de Salud de España. Instituto de Información Sanitaria.
- La situación del cáncer en España. Centro Nacional de Epidemiología. Instituto de Salud Carlos III.
- Libro de la salud del Hospital Clínico de Barcelona y la Fundación BBVA.



## BIBLIOGRAPHY

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- Web Ministerio de Sanidad, Servicios Sociales e Igualdad.
- Organismos Oficiales Sanitarios.