

# Teaching guide

## IDENTIFICATION DETAILS

Degree:	Medicine		
Field of Knowledge:	Health Science		
Faculty/School:	Health Sciences		
Course:			
Type:	Compulsory	ECTS credits:	5
Year:	4	Code:	2738
Teaching period:	Eighth semester		
Area:	Statistics		
Module:	Social medicine, communication skills and introduction to research		
Teaching type:	Classroom-based		
Language:	Spanish		
Total number of student study hours:	125		

## SUBJECT DESCRIPTION

This course provides an overview of the methods necessary to understand the factors that determine how disease is distributed in populations (Epidemiology), and their application to promote general health. Both in preventing specific diseases, by helping individuals to improve their health (preventive medicine), and in promoting public health (public health and health planning).

## SKILLS

### Basic Skills

Students must have demonstrated knowledge and understanding in an area of study that is founded on general secondary education. Moreover, the area of study is typically at a level that includes certain aspects implying knowledge at the forefront of its field of study, albeit supported by advanced textbooks

Students must be able to apply their knowledge to their work or vocation in a professional manner and possess skills that can typically be demonstrated by coming up with and sustaining arguments and solving problems within their field of study

Students must have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgments that include reflections on pertinent social, scientific or ethical issues

Students must be able to convey information, ideas, problems and solutions to both an expert and non-expert audience

Students must have developed the learning skills needed to undertake further study with a high degree of independence

## General Skills

To recognise the essential elements of the medical profession, including ethical principles, legal responsibilities and professional practice focussed on the patient. To acquire the values of professionalism:

- a. Altruism: looking for the best in patients.
- b. Responsibility: complying with the implicit agreement with the community.
- c. Excellence as a continuous search for knowledge.
- d. Obligation as a free commitment to serve.
- e. Honour and integrity: complying with personal and professional codes and undertaking not to breach them.
- f. Serving others.

To understand the importance of these principles for the benefit of patients, society and the profession, particularly focussing on professional secrecy.

To recognise determining factors in the population's health, such as genetics, gender and lifestyle, as well as demographic, environmental, social, economic, psychological and cultural factors.

To assume one's role in actions aimed at preventing and protecting from illnesses, injuries or accidents, as well as those aimed at maintaining and promoting health - both individually and at a community-based level.

To acknowledge one's role in multiprofessional teams, taking on leadership when pertinent, be it when providing healthcare or in interventions aimed at promoting health.

To obtain and use epidemiological data and assess tendencies and risks when it comes to making health-related decisions.

To be familiar with national and international health organisations and the environments and conditioning factors involved in the various health systems.

To know how to apply the principle of social justice to professional practice and understand the ethical implications of health in a global context of transformation.

Basic knowledge of the national health service and healthcare legislation.

To be able to use information and communication technologies in clinical, therapeutic, preventive and research activities.

To understand the importance and limitations of scientific thought in the study, prevention and management of illness.

To engage in professional practice with regard to the independence, beliefs and culture of the patient.

Students must be able to develop a profile conducive to the practice of medicine through activities specifically designed in all subjects of the syllabus.

To recognise one's limitations and the need to maintain and update professional skills, with particular emphasis on independent acquisition of new knowledge and techniques and a motivation to achieve quality.

To engage in professional practice with regard to other health professionals, gaining teamwork skills.

## Specific skills

To be familiar with the principles of preventive medicine and public health: to be aware of risk factors and disease prevention. To recognise determining factors in people's health. To be aware of health indicators. To be acquainted with the planning, programming and assessment of health programmes. To know methods for the prevention of and protection from diseases, injuries and accidents. To understand healthcare quality assessment methods and patient safety strategies. To be familiar with the appropriate use of vaccines. To understand the concept, principles and purposes of epidemiology. To understand the concept, principles and information sources of health demographics.

To be able to apply the methods specific to preventive medicine and public health: risk factors and disease prevention. To recognise determining factors in people's health. To be able to correctly interpret health indicators. To be acquainted with the planning, programming and assessment of health programmes. To be able to apply methods for the prevention of and protection from diseases, injuries and accidents. To be able to value healthcare quality assessment methods and patient safety strategies. To know how to make appropriate use of vaccines. To be able to apply the methods specific to epidemiology. To be able to represent, calculate and compare basic demographic indicators.

To be familiar with healthcare planning and management worldwide, throughout Europe, in Spain and on an autonomous regional basis.

To be familiar with the economic and social implications entailed by medical actions, considering efficacy and efficiency criteria. To be familiar with health-related and environmental implications. To be familiar with food safety and occupational health principles.

To be familiar with clinical documentation procedures.

To be able to manage clinical documentation procedures.

To be able to understand and critically interpret scientific texts.

To be familiar with the principles of the scientific method, biomedical research and clinical trials.

To be familiar with the principles of telemedicine.

To be familiar with and use medicine principles based on the (best) evidence.

## DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
58 hours	67 hours