

1. OVERVIEW

Subject Area	Health Management and Public Health Social Medicine, Communication Skills and Introduction to Research module
Degree	Bachelor's Degree in Medicine
School/Faculty	BIOMEDICAL AND HEALTH SCIENCES
Ac. Year	THREE
ECTS	4
Type	COMPULSORY
Language(s)	SPANISH
Delivery Mode	ON CAMPUS
Semester	Six-monthly

2. INTRODUCTION

Health Management and Public Health is a compulsory subject (worth 4 ECTS) taught over the third year in the Degree in Medicine. This subject belongs to Social Medicine, Communication Skills and Introduction to Research Module which is worth a total of 32 ECTS.

The general aim of this subject is for students to learn the different models of health on a national and international level, along with current legislation, health devices and ways of measuring health management.

Students will mainly acquire the skills associated with professional values and skills applied to public health and health systems, handling information, critical analysis and research.

3. SKILLS AND LEARNING OUTCOMES

Basic Skills (CB, by the acronym in Spanish):

- CB1: Students have shown their knowledge and understanding of a study area that builds on general secondary school education, and are usually at the level where, with the support of more advanced textbooks, they may also demonstrate awareness of the latest developments in their field of study.
- CB5: Students will develop the learning capacity required to undertake subsequent study with a high degree of autonomy.

General skills (CG, by the acronym in Spanish):

- CG19 (CB10): Raise and propose the suitable preventative measures.
- CG20: Acquire suitable clinical experience in institutions.
- CG 25: Recognise determining factors in the population's health.
- CG26: Assume a role in the prevention and protection against diseases, injuries or accidents, together with the maintenance and promotion of health, both on an individual and community level.

- CG 27: Recognise your role in multiprofessional teams, taking the lead where necessary, both in providing healthcare and in activities which promote good health.
- CG 28: Obtain and use epidemiological data and evaluate trends and risks to take health-related decisions.
- CG 29: Be aware of the national and international health organisations.
- CG 30: Have basic understanding of the National Health System and health legislation.
- CG 31: Understand, critically assess and know how to use clinical and biomedical information sources to obtain, organise, interpret and communicate scientific and health information.

Cross-curricular skills (CT, by the acronym in Spanish):

- CT10: Independent learning.
- CT3: Teamwork.

Specific skills (CE, by the acronym in Spanish):

- CE12: Understand the principles of preventative medicine and apply its methods to public health. Disease risk and prevention factors. Recognise determining factors in the population's health. Health indicators. Plan, program and evaluate health programmes. Prevention and protection against diseases, injuries and accidents.
- CE13: Evaluation of health care and patient safety strategies. Vaccinations. Epidemiology. Demographics. Understand the health planning and administration on international, European, Spanish and autonomous region scales. Understand the financial and social implications medical activity involves, considering criteria of efficiency and effectiveness. Health and the environment. Food health. Health and safety at work.

Learning outcomes (RA, by the acronym in Spanish):

- Understand the principles of preventative medicine and public health and apply their methods.
- Recognise determining factors in the population's health: health and the environment, socioeconomic factors, lifestyles, etc.
- Be aware of the main health indicators.
- Understand the main activities in public health: planning; programming and evaluation of healthcare programmes; prevention and protection against diseases, injuries and accidents; evaluation of health care and patient safety strategies; food hygiene; vaccination programmes; etc.
- Understand the health planning and administration on international, European, Spanish and autonomous region scales.
- Understand the financial and social implications medical activity involves, considering criteria of efficiency and effectiveness.
- RA7 (5.7.) - Describe the principles of health and safety at work.

The following table shows how the skills developed in the subject area match up with the intended learning outcomes:

Skills	Learning outcomes
CB1, CB5, CT10, CT3	Understand the principles of preventative medicine and public health and apply their methods.
CB1, CB5, CT10	Recognise the determining factors in the population's health: health and the environment, socioeconomic factors, lifestyles, etc.
CB1, CB5, CT10, CG28	Be aware of the main health indicators.

CB1, CB5, CT10, CG19	Understand the main activities in public health: planning; programming and evaluation of healthcare programmes; prevention and protection against diseases, injuries and accidents; evaluation of health care and patient safety strategies; food hygiene; vaccination programmes; etc.
CB1, CB5, CT10, CG20	Understand the health planning and administration on international, European, Spanish and autonomous region scales.
CB1, CB5, CT10, CG31	Understand the financial and social implications medical activity involves, considering criteria of efficiency and effectiveness.
CB1, CB5, CT10	Describe the principles of health and safety at work.

4. CONTENTS

This subject area is divided into 2 learning units, which are then divided into various topics.

Topic	
	Learning Unit 1. HEALTH MANAGEMENT
Topic 1.	Health systems
Topic 2.	Information management and planning systems.
Topic 3.	Concepts in clinical management and health planning. Financial assessment.
Topic 4.	Guides, protocols and clinical pathways.
Topic 5	Variability in clinical practice and management by processes.
Topic 6	Quality of care.
	Learning Unit 2. PUBLIC HEALTH
Topic 7	Public health in the macro-context of health. Monitoring systems.
Topic 8	Promotion of health and prevention of disease.
Topic 9	Diet, nutrition, physical exercise and public health.
Topic 10	Tobacco and health.
Topic 11	Drug addiction and health.
Topic 12	Alcohol and health.
Topic 13	The environment and health.

5. TEACHING/LEARNING METHODS

The types of teaching/learning methods are as follows:

1. **Problem-based learning:** Presentation of problems, reorganising into small groups, literature analysis, analysis of scientific texts and documents, symposiums and presentations, directed debates, specialised individual and collective tutorials, and reaching a consensus.
2. **Specialised seminars:** literature research and debate on scientific data in small groups.
3. **Lectures:** Classroom presentations by the professor on basic theory, encouraging debate and student participation.
4. **Case study method:** presentation and discussion of clinical cases in small groups.

6. LEARNING ACTIVITIES

The types of learning activities, plus the amount of time spent on each activity, and the percentage of participation in each of them are as follows:

Learning activity	Number of hours	Attendance mode
Theory/practical learning activities	46	100
Directed learning activities	11	10
Independent working	30	0
Tutorials	12	100
Knowledge tests	1	100
TOTAL	100 h	

7. ASSESSMENT

The assessment methods, plus their weighting in the final grade for the subject area, are as follows:

The assessment consists of three parts: test, group work and attendance/participation in class. To pass this subject, you must obtain at least 5 in the part which corresponds to the exam (theory test).

Assessment system	Weighting
Cognitive objectives and clinical skills	Final assessment exam 70%
Skills objectives	Group work report 20%
Attitude assessment	Individual contribution 10%

On the Virtual Campus, when you open the subject area, you can see all the details of your assessment activities and the deadlines and assessment procedures for each activity.

8. BIBLIOGRAPHY

The recommended basic bibliography is indicated below. In classes, complementary bibliography for each topic will be indicated.

Part I. Health Management

- Aranaz C, "Gestión Sanitaria" Madrid, Editorial Diaz de Santos 2014. ISBN: 9788499698083
- Temes M. Jose Luis. Mercedes Mengíbar Torres "Gestión hospitalaria", Madrid. McGraw Hill-Interamericana. 5a edición. ISBN: 978-84-481-7891-8, 2011.

Part II. Public Health

- Piédrola Gil. Fernández-Crehuet Navajas, Gestal Otero: "Medicina preventiva y salud pública:" 12ª Edición. 2015
- Martínez González et al. "Conceptos de salud pública y estrategias preventivas: Un manual para ciencias de la salud, a Edición. 2018.
- Hernández Aguado, B.Lumbreras. "Manual de Epidemiología y Salud Pública para Grados en Ciencias de la Salud. (3ª EDICION). Editorial: PANAMERICANA. 2018

Links of interest:

- Instituto de Salud Carlos III: <http://www.isciii.es/>
- Ministerio de Sanidad, Servicios Sociales e Igualdad: <http://www.msc.es/>
- Agency for Healthcare Research and Quality: <http://www.ahrq.gov/>
- Organización Mundial de la Salud.: <http://www.who.int/en/>
- Centros de Control de Enfermedades: <http://www.cdc.gov/>