M9 A3: Skills Programme 4. Basic Epidemiology and Health-Care Administration (Year 4)

Knowledge Content
- Know the principles and apply preventive medicine and public health methods, risk factors and disease prevention.
- Recognize the determinants of health of the population, health indicators, planning, programming and assessment of health programs.
- Understand the principles of telemedicine, prevention and protection against diseases, injuries and accidents.
- Assess the quality of primary care and security strategies for the patient.
- Study epidemiology and demography.
- Be familiar with planning and health-care administration at the World, European, Spanish and Autonomous Community levels.
- Understand the social and economic implications of medical interventions, taking into consideration efficacy and efficiency.

Competences
- Recognize the determinants of health of the population, taking into consideration the genetic factors as well as those that are sex- and lifestyle-dependent, or affected by demography, environment, society, economy, psychology and culture.
- Assume their responsibilities in preventive and protective actions against illnesses, injuries or accidents, and in health maintenance and promotion, on the individual as well as community-level.
- Obtain and use epidemiological data, and assess tendencies and risks for health decision-making.
- Have knowledge of the national and international health organizations, and the determining factors of different health-care systems.
- Have basic knowledge of the National Health-Care System and health legislation.
- Know how to use information and communication technology in clinical, therapeutic, preventive and research activities.
- Understand the importance and limitations of scientific thinking in the study, prevention and management of diseases.
- Formulate hypothesis, collect and assess information critically using the scientific method for problem solving.
- Acquire basic training for research activities.

Learning Methods
Problem-based learning tutorials (PBL)
PBL Question & Answer sessions
Workshops
Lectures
Supervised clinical clerkship (1 ECTS credit)

Evaluation
Formative assessment
PBL examination
Other forms of assessment, when appropriate

ECTS Credits
6 (5/1)