

26721 - Preventive Medicine and Public Health

Syllabus Information

Academic year: 2024/25

Subject: 26721 - Preventive Medicine and Public Health

Faculty / School: 104 - Facultad de Medicina

Degree: 304 - Degree in Medicine

ECTS: 6.0

Year: 4

Semester: First semester

Subject type: Compulsory

Module:

1. General information

The subject has the following general objectives:

- To provide a population dimension of health problems, analysing their social, environmental and lifestyle determinants
- To contribute to the rationality and application of the best available knowledge in clinical practice decision making.
- To identify the components of the healthcare system and healthcare management, at different levels, that determine an effective, efficient and safe clinical practice.
- To train to apply preventive measures against the most relevant health problems.

Learning results provide competence to contribute to the following SDGs

3: Health and wellness.

10: Reduction of Inequalities

11: Sustainable Cities and Communities

2. Learning results

The student passing this subject will achieve the following results:

- Identifies the characteristics that define a Public Health problem.
- Differentiates the strategies and areas of action of Preventive Medicine and Public Health in the face of individual and collective health problems.
- Uses the terminology of Preventive Medicine and Public Health.
- Differentiates the advantages and limitations of prevention at the individual and collective level.
- Relates, critically evaluates and knows how to use the most relevant sources of information in the field of public health and health services management.
- Describes the components of health systems in general and of Spain and Aragon in particular.
- Specifies the main information systems in health and clinical management, and interprets health and health services data and indicators.
- Is able to obtain and use the main morbidity and mortality indicators in the description and characterization of a public health problem.
- Identifies and differentiates the design of epidemiological studies and interprets their results.
- Analyses and critically evaluates the available scientific evidence.
- Describes the criteria that determine a quality professional activity, carried out with safety, effectiveness, efficiency, appropriateness and sustainability.
- Uses criteria to evaluate clinical activities, services and health technologies.

3. Syllabus

The program consists of theoretical contents, to be developed in lectures, and practical contents, to be developed in practical sessions and complementary activities.

Theory program

Introduction to Public Health and Preventive Medicine (1 topic)

Epidemiological method and population epidemiology (10 topics)

Epidemiology in clinical practice (4 topics)

Clinical and health management (8 topics)

Strategies for prevention, health promotion and protection (8 topics)

Practices and seminar program

- Face-to-face sessions and complementary individual work on epidemiology, study of outbreaks, evaluation of diagnostic tests, evaluation of the scientific evidence, health promotion and protection, quality of care and patient safety.
- Seminars on current issues in Preventive Medicine and Public Health.

4. Academic activities

The program offered to the student to help them achieve the expected results includes the following learning activities and resources:

1. Master classes: 24h
2. Face-to-face practice sessions: 30h
3. Seminars on current Public Health issues: 6 h6h
4. Personalized tutoring on demand.
5. Materials and exercises available from the ADD (Anillo Digital Docente)

5. Assessment system

The student must demonstrate that he/she has achieved the intended learning results by means of midterm exams or a final global assessment.

a. Midterm evaluation procedure:

Evaluation of the personal work done throughout the teaching period through:

1. Attendance to at least 80% of the practical sessions and completion of an evaluation questionnaire at the end.
2. Attendance to at least one of the two seminars that will be organized during the teaching period.
3. Written exam in which 60 multiple-choice questions must be answered in relation to the theoretical and practical contents of the subject . The grade must reach 30 points out of a possible 60.

Incorrectly answered questions will deduct 0.33 points. Those that are left blank will not be graded negatively or positively.

b. Global assessment procedure:

Alternatively, students who have not completed at least 80% of the practical sessions, the evaluation questionnaire and at least one of the seminars organized, may opt for a final evaluation.

In its case, the final evaluation will serve to establish, as the only assessment instrument, the final grade of the subject and to guarantee that the expected learning results have been achieved

It will consist of a written exam of 20 open-answer questions of variable length (up to 200 words each) on the theoretical and practical contents included in the syllabus.

6. Sustainable Development Goals

3 - Good Health & Well-Being

10 - Reduction of Inequalities

11 - Sustainable Cities and Communities