

26020 - Public health

Syllabus Information

Academic Year: 2021/22

Subject: 26020 - Public health

Faculty / School: 127 - Facultad de Ciencias de la Salud

Degree: 276 - Degree in Occupational Therapy

ECTS: 6.0

Year: 3

Semester: Annual

Subject Type: Compulsory

Module:

1. General information

1.1. Aims of the course

The subject and its expected results respond to the following approaches and objectives:

- Provide general knowledge that allows understanding the health-disease relationship and the factors that modify it.
- Provide students with knowledge that helps them understand and apply research and intervention methods in health.
- Provide the necessary knowledge to participate in the development and evaluation of health strategies, plans and programs, in the field of Occupational Therapy.

These approaches and objectives are aligned with the following Sustainable Development Goals (SDG) of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>) in such a way that, the acquisition of the results of learning the subject, provides training and competence to contribute to some extent to its achievement:

Objective 3: Health and well-being

Objective 4: Quality education

Objective 10: Reduction of inequalities.

1.2. Context and importance of this course in the degree

In this course, the students will learn the basic concepts in Public Health (PH). PH is concerned with threats to the population's health. Important subfields of public health include epidemiology, biostatistics, and health services. Epidemiology is commonly referred to as the foundation of public health because it is a study that aids our understanding of the nature, extent, and cause of public health problems and provides important information for improving the health and social conditions of people.

1.3. Recommendations to take this course

Teachers: María José Iglesias Gozalo and Begoña Adiego Sancho

Attendance and participation in scheduled face-to-face sessions, carrying out scheduled work and individual study of the recommended documentation, by the student is highly recommended in order to achieve the objectives set.

The assistance to practic classes is obligatory. Attendance at theoretical classes is highly recommended.

Given the inclusive nature of this subject, it is recommended to have passed all the subjects of 1 and 2 year before taking Public Health.

2. Learning goals

2.1. Competences

After completing this matter, you will be able to

- Analyze the determinants of the health of the different population groups: socioeconomic, environmental, lifestyle, ...
- Analyze the applications of epidemiology in the practice of Occupational Therapy and Public Health
- Obtain and use epidemiological data and assess trends and risks for health decision making
- Assume their role in the actions of prevention and protection against diseases, injuries or accidents and maintenance and promotion of health, both at the individual and community level
- Recognize their role both individually and in multiprofessional teams, in providing health care as well as in health promotion interventions
- Know the organization of the Health System and the environments and conditions of the different health systems
- Know the organization of the Health System and the impact of social health policies on professional practice.
- Recognize and enhance the role of the Occupational Therapist in health promotion and disease prevention activities
- Know, critically assess and know how to use clinical and biomedical information sources to obtain, organize, interpret and communicate scientific and health information.

2.2. Learning goals

To pass this subject, the student must demonstrate the following results

Being able to describe and analyze the causes of mortality, illness, injuries and disability in the community, critically evaluate the literature and provide the general framework in which interventions aimed at improving the health of the population are developed.

2.3. Importance of learning goals

Health professionals need to have a basic command of the methodological tools that allow describing health problems and disease in the population, as well as designing and guiding the possible interventions to be carried out.

By taking this subject, knowledge is acquired that allows

- Obtain and use epidemiological data and assess trends and risks to inform health decision-making
- Know the national and international health organizations, as well as the environments and conditions of the different health systems
- Know, critically assess and know how to use information sources to obtain, organize, interpret and communicate scientific, health, social and social information, preserving the confidentiality of the data.

Of the importance of these learning outcomes, indicate that they are requirements set in the qualifications that qualify for Occupational Therapy professionals (order CIN / 729/2009).

3. Assessment (1st and 2nd call)

3.1. Assessment tasks (description of tasks, marking system and assessment criteria)

A single written exam will be carried out in relation to the contents of the face-to-face sessions of the subject

Description:

- 30 multiple choice questions (4 possible answers and only one correct) on the theoretical and practical contents of the face-to-face sessions.
- 10 multiple choice questions (4 possible answers and only one correct) in relation to the problems and cases under study of the subject.

If the minimum score required in the test is not exceeded, an evaluation of the same characteristics will be carried out in the September call.

Requirement level:

The final score of the exam must reach: 15 points out of 30 possible in the part corresponding to multiple choice questions and 5 points in the part corresponding to multiple choice/short questions in relation to the problems.

In any case, both parts must be passed jointly and if only one of them is passed, the grade will not be kept for subsequent exam sessions.

Evaluation criteria:

Multiple choice questions answered incorrectly will subtract 0.25 points from the overall exam grade.

Weighting on the final grade of the subject

The exam grade must reach at least 5 points.

The qualification of this test will suppose 60% of the global qualification of the subject.

In the exercises, reports and individual or group work, the capacities to consult the bibliography and web pages relevant to the subject will be evaluated; information search, information processing and argumentation; as well as individual or group defense.

When the student chooses to be assessed by continuous assessment, to pass the subject it will be necessary:

- Present work and presentations at the designated time
- Attend all seminars and practices (you can only skip attending one session).
- Obtaining 50% of the maximum weighting both in the exam, as in the exercises / reports and in the small group work (it may be possible to compensate obtaining at least 45% in one of them, if in the rest it exceeds the fifty%).

Tests for non-face-to-face students or those who appear in other calls different from the first

Students who do not attend the proposed training activities, as well as those who do not agree with the grade obtained, may take a final exam that will include the entire subject (theory, practices and other training activities). This will consist of a written exam with 10 free text answer questions referring to the theoretical and practical contents of the subject and which will allow to verify that the expected learning results have been achieved.

Grading system

After weighing according to the criteria indicated and according to the Regulations for the Evaluation of Learning Standards of the University of Zaragoza, the results obtained by the student will be graded according to the following numerical scale from 0 to 10, with an expression of one decimal:

0-4.9: F

5-5.4: E

5.5-5.9: D

6-6.9: C

7-8.9: B

9-9.9: A

The mention of A+ may be awarded to students who have obtained a grade equal to or greater than 9.0. Their number may not exceed five percent of the students enrolled in the corresponding academic year.

The evaluation activities that refer to non-objective aspects will be assessed through the rubric publicly exposed to the students at the beginning of the course.

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, assignments, autonomous work.

In this course, the students will learn the basic concepts in Public Health (PH). PH is concerned with threats to the population's health. Important subfields of public health include epidemiology, biostatistics, and health services. Epidemiology is commonly referred to as the foundation of public health because it is a study that aids our understanding of the nature, extent, and cause of public health problems and provides important information for improving the health and social conditions of people.

4.2. Learning tasks

This 6 ECTS course is organized as follows:

- **Lectures** (1.5 ECTS). Theory contents are exposed by the teacher. The sessions will use material which will be available in Moodle in order to study topics before each session.
- **Practice sessions** (0.5 ECTS). Perform exercises that make up the training activity program, in the classroom and under the supervision of the teacher. These exercises are set out in the practices notebook, available on the network teaching.
- **Assignments** (0.5 ECTS)
- **Autonomous work and study** (3.5 ECTS).

4.3. Syllabus

This course will address the following topics:

Section 1: Expanding the Concept of Public Health

- Topic 1. Health and Disease. Social Determinants of Health
- Topic 2. Demographic and Epidemiological Transition. Concepts and functions of Public Health
- Topic 3. Measuring, Monitoring, and Evaluating the Health of a Population

Section 2: Epidemiology and Research Methodology in Occupational Therapy

- Topic 4. History and Scope of Epidemiology
- Topic 5. Measures of Morbidity and Mortality used in Epidemiology
- Topic 6. Descriptive Epidemiology: Person, place and time.
- Topic 7. Study Designs: Ecologic, Cross-Sectional, Case-Control
- Topic 8. Cohort Studies
- Topic 9. Experimental Study Designs. Intervention studies, clinical trials, and community trials
- Topic 10. Establishing Causal Relationships
- Topic 11. Hierarchy of Study Designs
- Topic 12. Literature search and review of the scientific literature.

Section 3: Services and Health Management. Health Programs

- Topic 13. Health Care Financing and Organization
- Topic 14. Spanish Health System. Features and organization
- Topic 15. Information systems in health management

Section 4: Prevention of Health Problems interest in Physiotherapy

- Topic 16. Communicable Diseases (1): The nature of Communicable Disease. Modes of Transmission of Disease. Immunity. Surveillance. Endemic and Epidemic Disease.
- Topic 17. Communicable Diseases (2): Control of Communicable Diseases. Methods of Prevention
- Topic 18. Connections between Infectious and Chronic Diseases. Control and Eradication of Infectious Diseases
- Topic 19. Non-Communicable Diseases and Conditions (1): The Rise and Spread of Chronic Disease. Global Burden of non-communicable diseases. Risk Factors and Prevention of Non-Communicable Diseases.
- Topic 20. Non-Communicable Diseases and Conditions (2): Risk Factors and Prevention of Non-Communicable Diseases.

4.4. Course planning and calendar

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the Faculty of Health Sciences website (<https://fcs.unizar.es/>) and Moodle.

4.5. Bibliography and recommended resources

The updated bibliography of the subject can be consulted

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=26020&Codcentro=127>

Websites:

Throughout the course and each topic will be indicated recommended websites

Twitter: @FCSSaludpublica

The updated bibliography of the subject can be consulted