

**Información del Plan Docente**

<b>Academic Year</b>	2016/17
<b>Academic center</b>	127 - Facultad de Ciencias de la Salud
<b>Degree</b>	276 - Degree in Occupational Therapy
<b>ECTS</b>	6.0
<b>Course</b>	3
<b>Period</b>	Annual
<b>Subject Type</b>	Compulsory
<b>Module</b>	---

**1.Basic info****1.1.Recommendations to take this course****1.2.Activities and key dates for the course****2.Initiation****2.1.Learning outcomes that define the subject****2.2.Introduction****3.Context and competences****3.1.Goals****3.2.Context and meaning of the subject in the degree****3.3.Competences****3.4.Importance of learning outcomes****4.Evaluation****5.Activities and resources****5.1.General methodological presentation**

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.

## **5.2.Learning activities**

### **Teaching methodology**

The learning process that has been designed for this subject is based on the following:

- Theoretical lectures (one groups), Training activity lectures (four groups) and Programmed tutorials (small groups)
  
- Theoretical lectures: Oral presentation by the teacher of the theoretical fundamentals of each topic. The sessions will use audiovisual material available on the network teaching of the University of Saragossa with the sufficient anticipation in order to review it before the corresponding class.
  
- Training activity lectures: 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 notebook practices, available on the network teaching.
  
- Programmed tutorials: Cross-sectional sessions whose purpose is to provide the student with the integration of previously taught content through critical discussion or solving some exercise.
  
- Independent work of student.

## **5.3.Program**

### **CONTENTS**

#### **I: Expanding the Concept of Public Health**

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

#### **II: Epidemiology and Research Methodology in Occupational Therapy**

4. History and Scope of Epidemiology
5. Measures of Morbidity and Mortality used in Epidemiology
6. Descriptive Epidemiology: Person, place and time.
7. Study Designs: Ecologic, Cross-Sectional, Case-Control

## 26020 - Public health

8. Cohort Studies

9. Experimental Study Designs. Intervention studies, clinical trials and community trials

10. Establishing Causal Relationships

11. Hierarchy of Study Designs

12. Literature search and review of the scientific literature

### **III. Services and Health Management. Health Programs**

13. Health Care financing and Organization

14. Spanish Health System. Features and organization

15. Information systems in health management

### **IV: Prevention of Health Problems interest in Physiotherapy**

16. Communicable Diseases (1): The nature of Communicable Disease. Modes of Transmission of Disease. Immunity. Surveillance. Endemic and Epidemic Disease.

17. Communicable Diseases (2): Control of Communicable Diseases. Methods of Prevention

18. Connections between Infectious and Chronic Diseases. Control and Eradication of Infectious Diseases

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.

20. Non-Communicable Diseases and Conditions (2): Risk Factors and Prevention of Non-Communicable diseases.

## **5.4.Planning and scheduling**

### **Schedule sessions and presentation of works**

The key dates of the course calendar will be found before the start of the course, on the website of the Faculty as well as the ADD (MOODLE) of the subject itself.

Theoretical lectures will be conducted in the classroom schedule and assign the Center. Sessions of oral presentations are scheduled throughout the course, theoretical schedule / seminar class.

## 26020 - Public health

Training activity lectures: groups and schedule will be organized at the beginning of course, subject to availability of classrooms and coordination of the Center.

The tutorials will be communicated at the beginning of the course and will be available as determined in the center and always in the ADD of the subject.

### 5.5. Bibliography and recommended resources

#### Books:

- Basic Epidemiology / Ruth Bonita. 2th edition. Washington, DC, Pan American Health Organization, 2008
- Manual of epidemiology and public health degrees in health sciences / Idefonso Hernández-Aguado [et al.] 2th ed. Madrid, Editorial Medica Panamericana, 2011
- Concepts of public health and preventive strategies: A Handbook for health sciences / Miguel Ángel Martínez-González [et al.]. Barcelona, Elsevier, 2013

#### Websites:

Throughout the course and each topic will be indicated recommended websites

**Twitter:** @FCSsaludpublica