

## 29206 - Scientific methods and nutritional epidemiology

### Información del Plan Docente

<b>Academic Year</b>	2016/17
<b>Academic center</b>	229 - Facultad de Ciencias de la Salud y del Deporte
<b>Degree</b>	441 - Degree in Human Nutrition and Dietetics
<b>ECTS</b>	6.0
<b>Course</b>	1
<b>Period</b>	Second semester
<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**

Teaching methodology includes for theoretical sessions: teacher exposition of main ideas and concepts; detailed explanations and problem resolution board. For practical/applied sessions the students work independently for problem resolution, give their results and explanations for the audience and the teacher and other students comment on it.

#### **5.2.Learning activities**

-Theoretical sessions

## 29206 - Scientific methods and nutritional epidemiology

-Practice/applied sessions

-Informatic Lab (statistic and epidemiologic software)

### 5.3.Program

Unit 1. General context of Health Science Research. Research project design in epidemiology

Unit 2. Epidemiology and nutritional epidemiology basis

Unit 3. Introduction to causation in Epidemiology

Unit 4. Measurement in Epidemiology

Unit 5. Study designs in Epidemiology

Unit 6. Sampling and Sampling Size in Epidemiology

Unit 7. Variable definition

Unit 8. Introduction to questionnaire validation

Unit 9. Food intake assessment

Unit 10. Nutrition Based Evidence

### 5.4.Planning and scheduling

This subject consists of 6 ECTS credits, corresponding to 150h of student dedication. Face-to-face time is 40%, this means, 60 hours of classes and applied sessions; distributed as follows:

-36 h - Theoretical sessions

-12 h - Practice/Applied sessions

-12 h - Practice/Applied sessions in computer laboratory

### 5.5.Bibliography and recommended resources

Wolfgang Ahrens, Iris Pigeot. Handbook of Epidemiology. Springer, 2007, Berlin (Germany). ISBN: 978-3-540-00566-7 (Print) 978-3-540-26577-1