

## 29206 - Scientific methods and nutritional epidemiology

### Syllabus Information

**Academic Year:** 2020/21

**Subject:** 29206 - Scientific methods and nutritional epidemiology

**Faculty / School:** 229 - Facultad de Ciencias de la Salud y del Deporte

**Degree:** 441 - Degree in Human Nutrition and Dietetics

**ECTS:** 6.0

**Year:** 1

**Semester:** Second semester

**Subject Type:** Compulsory

**Module:** ---

### 1.General information

#### 1.1.Aims of the course

#### 1.2.Context and importance of this course in the degree

#### 1.3.Recommendations to take this course

### 2.Learning goals

#### 2.1.Competences

#### 2.2.Learning goals

#### 2.3.Importance of learning goals

### 3.Assessment (1st and 2nd call)

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

### 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 and laboratory sessions. For 2020/21 course, lectures will be taught virtually.

#### 4.2.Learning tasks

This course is organized as follows:

- **Lectures.** It consist on the teacher exposition of main ideas and concepts; detailed explanations and problem resolution board. For topics 1-5 and 9-10 there will be online sessions. For topics 6-8 there will be a manual and slides with audio.
- **Practice sessions.** students work independently for problem resolution, give their results and explanations for the audience and the teacher and other students comment on it.
- **Laboratory sessions.** (statistic and epidemiologic software).

#### 4.3.Syllabus

This course will address the following topics:

- **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

#### **4.4.Course planning and calendar**

Further information concerning the timetable, classroom, virtual sessions, 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 and Sport Sciences website and Moodle.

#### **4.5.Bibliography and recommended resources**

<http://psfunizar7.unizar.es/br13/egAsignaturas.php?codigo=29206>