

## 68427 - Introduction to paediatrics research

### Información del Plan Docente

<b>Academic Year</b>	2018/19
<b>Subject</b>	68427 - Introduction to paediatrics research
<b>Faculty / School</b>	104 - Facultad de Medicina
<b>Degree</b>	530 - Master's in Introduction to Medical Research
<b>ECTS</b>	5.0
<b>Year</b>	1
<b>Semester</b>	Second semester
<b>Subject Type</b>	Optional
<b>Module</b>	---

### **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 course has a fundamentally applied orientation. The teaching and learning tasks focus on the implementation of a number of fundamental principles of pediatrics at different stages of growth and development to specific cases in the field of clinical practice, notarization and / or clinical research.

#### **4.2.Learning tasks**

The course includes the following learning tasks:

- Lectures

## 68427 - Introduction to paediatrics research

- Discussion forums via the virtual platform Moodle
- Work on any of the topics developed in the subject from the bibliographic search of articles of the last two years in pub-med.

### 4.3.Syllabus

The course will address the following topics:

#### Topic 1. Nutrition and exploration of the nutritional status in children

- 1. Basic concepts in child nutrition
- 2. Body composition, anthropometric assessment, bioelectrical impedance . Absorptiometry and densitometry techniques.
- 3. Dietary surveys
- 4. Energy expenditure. Concepts and valuation. Rating activity and fitness.

#### Topic 2. Nutrition of newborns: normal and pathological

- 1. Evaluation of growth in the nutritional status and newborns
- 2. Breastfeeding for term and preterm newborn
- 3. Infant formula and special formula in feeding the newborn normal and pathological
- 4. Nutrition of preterm newborn

#### Topic 3. Advances in pediatric endocrinology

- 1. Infant Obesity
- 2. Metabolic syndrome in child and adolescent obesity
- 3. Diabetes mellitus: new aspects

#### Topic 4. Advances in pediatric clinical genetics

- 1. Introduction to genetics in pediatrics: family tree
- 2. The dysmorphic child
- 3. Chromosomopathies

### 4.4.Course planning and calendar

#### Timetable

- Tuesdays 8, 15, 22 January, 5,12,19 and 26 February 2018 from 16 to 20h.
- The final exam will take place on February 26, 2019.

Part of the course will be taught via Moodle, classroom materials will be available, including a participation forum. For the rest of the course, students will bring their work for class discussion.

Further information concerning the timetable, classroom, assessment dates and other details regarding this course, will be provided on the first day and doubts will be solved through the moodle platform.

### 4.5.Bibliography and recommended resources