

Información del Plan Docente

Academic Year	2017/18
Faculty / School	104 - Facultad de Medicina
Degree	530 - Master's in Introduction to Medical Research
ECTS	5.0
Year	1
Semester	Second semester
Subject Type	Optional
Module	---

1.General information**1.1.Introduction****1.2.Recommendations to take this course****1.3.Context and importance of this course in the degree****1.4.Activities and key dates****2.Learning goals****2.1.Learning goals****2.2.Importance of learning goals****3.Aims of the course and competences****3.1.Aims of the course****3.2.Competences****4.Assessment (1st and 2nd call)****4.1.Assessment tasks (description of tasks, marking system and assessment criteria)****5.Methodology, learning tasks, syllabus and resources****5.1.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.

5.2.Learning tasks

68427 - Introduction to paediatrics research

The course includes the following learning tasks:

- Lectures
- Discussion forums via the virtual platform Moodle
- Literature review and articles of interest related to the course contents. Working with summaries or a deeper critical analysis and discussion of significant articles.

5.3.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

5.4.Course planning and calendar

Timetable

- Tuesdays 9, 16, 23, 30 January, 6,13 and 20 February 2018 from 16 to 20h.
- The final exam will take place on February 27, 2018.

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.

5.5.Bibliography and recommended resources