69002 - Nutritional elements of illnesses of genetic origin and malformation syndromes

Información del Plan Docente

Academic Year	2017/18
Faculty / School	104 - Facultad de Medicina
Degree	461 - Master's in Genetic, nutritional and environmental growth and development condiitoners
ECTS	1.0
Year	1
Semester	Annual
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

This course has no face-to-face sessions, it is done via the virtual platform Moodle. The course contents include original works and/or explanatory presentations related to topics of great social and medical significance.
Although the students have access to the materials on the platform, teachers will be available for queries and doubts via email, messages and chats.
Before raising any issue/question it is essential to do a thorough and comprehensive reading of the available contents.

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Students enrolled at the University of Zaragoza, if they prefer it, can visit teachers during their office hours.

5.2.Learning tasks

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5.3.Syllabus

The course will address the following topics:

- Topic 1. Nutrition, growth and development in children with chromosomal abnormalities
- Topic 2. Nutrition, growth and development in children with malformation syndromes
- Topic 3. Nutrition, growth and development in children with hereditary neuromuscular diseases
- Topic 4. Nutrition, growth and development in children with inborn errors of metabolism
- Topic 5. Nutrition, growth and development in children suffering from diseases (encephalomyopathies) Mitochondrial
- Topic 6. Nutrigenomics. Concepts and Applications
- Topic 7. Genetically engineered foods. Advantages and disadvantages of their production and consumption

5.4.Course planning and calendar

This course takes places during the months of November and December of the academic year.
Submission dates of assignments are informed at the beginning of the course through a message/ announcement of the teacher.

5.5.Bibliography and recommended resources

- - Thompson & Thompson "Genetics in Medicine". Nussbaum RL, McInnes RR,Willar HF Eds. 7th ed. Saunders--‐Elsevier, Philadelphia, 2007.
- - Emery & Rimoin "Principles and Practice of Medical Genetics". Rimoin DL, Connor JM, Pyeritz RE, Korf BR Eds. 5th ed. Churchill--‐Livingstone, New York, 2006.
- - The Metabolic and Molecular Bases of Inherited Disease. Scriver CR, Sly WS, Childs B, Beaudet AL, Valle D, Kinzler KW, Vogelstein B Eds. 8th ed. McGraw--‐ Hill, New York, 2001.
- - Nutrigenetics and Nutrigenomics. Simopoulos AP and Ordovas JM Eds. World Review of Nutrition and Dietetics Series, Vol. 93. Karger, Basel, 2009.
- - Genetically Modified Language. The disclosure of arguments for GM crops and food. Cook G. Routledge, London, 2004.
- - Management of Genetic Syndromes. Cassidy SB and Allanson JE Eds. Wiley--‐ Liss, New York, 2001.
- - A Clinical Guide to Inherited Metabolic Diseases. Clarke JTR Ed. 3rd. ed. Cambridge University Press, Cambridge, 2006.
- - Diagnóstico y Tratamiento de Enfermedades Metabólicas Hereditarias. Sanjurjo P y Baldellou A Eds. 3ª ed. Ergón, Madrid, 2010.