

29214 - Physiopathology

Información del Plan Docente

Academic Year	2016/17
Academic center	229 - Facultad de Ciencias de la Salud y del Deporte
Degree	441 - Degree in Human Nutrition and Dietetics
ECTS	6.0
Course	2
Period	Half-yearly
Subject Type	Compulsory
Module	---

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

5.2.Learning activities

5.3.Program

PHYSIOPATHOLOGY.

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The program offers to the student to achieve the expected results includes the following activities:

45% face-to-face instruction 2.70 ECTS (67,50 hours) : (50%) 1.40 ECTS (35 hours) 35 lectures with the following program:

- 1 Introduction to pathology: concept of disease. General etiology of diseases
- 2 Pathophysiology of diseases triggered by environmental causes
- 3 Pathophysiology of immune response
- 4 General study of pathological inheritance. Concept of molecular diseases
- 5 Neoplasms. Concept, etiology and biological characteristics
- 6 Pathophysiology of the inflammatory response.
- 7 Thermoregulation. Febrile syndrom. Fever of unknown origin
8. Pathophysiology of cardiac contraction. Pathophysiology of cardiac output. Heart failure
- 9 Valvular disorders and arrhythmia
- 10 Pathophysiology of the coronary circulation. Coronary insufficiency.
- 11 Pathophysiology of blood pressure regulation. Arterial hypotension. High blood pressure.
- 12 Protective mechanisms of respiratory tract. Respiratory failure.
- 13 Main symptoms of the respiratory system
- 14 Pulmonary syndromes. Pleura. Mediastinum.
- 15 Pathophysiology of the motor unit and the sensitivity.
- 16 Pathophysiology of the spinal cord, Brainstem and cerebellum.
- 17 Physiopathology of the cerebral cortex and the extrapyramidal system.

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18 Pathophysiology of cerebral circulation. Intracranial hypertension syndrome. Meningeal syndrome

19 Pathophysiology of peripheral nervous system and vegetative nervous system

20 Pathophysiology of the hypothalamus. Pathophysiology of pituitary gland

21 Pathophysiology of the adrenal gland.

22 Pathophysiology of the thyroid and parathyroid.

23 Pathophysiology of carbohydrates.

24 Pathophysiology of lipids and proteins

25 Pathophysiology of the erythrocyte

26 Pathophysiology of leukocytes. The lymphoid system.

27 Pathophysiology of haemostasis

28 Pathophysiology of swallowing, I pathology of esophagus and stomach

29 Pathophysiology of intestinal function

30 Jaundice. Liver failure. Pathophysiology of bile duct

31 Alterations in nutrition

32 Fluid and electrolyte balance, acid-base homeostasis.

33 Acute and chronic renal insufficiency. Etiology and pathophysiology

34 Renal syndromes and diseases of urinary tract

35 Pathophysiology of muscle, bone and joints.

(40%) 1.04 ECTS (26 hours)

10 Seminars with the following program:

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- 1 Fever
2. Loss of weight.
- 3 Dyspnea
4. Chest pain.
- 5 Cough, expectorating cough, hemoptysis.
- 6 Headache.
- 7 Melena, rectal bleeding
8. Jaundice.
- 9 Polyuria
- 10 Edema, ankle swelling

5 Workshops with the following program

1. Clinical history
2. General examination of the patient
3. Digital ring. Sources of information on human pathology.
- 4 Medical images medical. Signs of disease.
5. Basic analytic interpretation

Tutorials: A teacher will be the guardian of the students of the group which has assigned

5.4.Planning and scheduling

5.5.Bibliography and recommended resources