

## **26712 - Semiotics and basic principles of physiopathology**

### **Información del Plan Docente**

<b>Academic Year</b>	2018/19
<b>Subject</b>	26712 - Semiotics and basic principles of physiopathology
<b>Faculty / School</b>	104 - Facultad de Medicina 229 - Facultad de Ciencias de la Salud y del Deporte
<b>Degree</b>	304 - Degree in Medicine 305 - Degree in Medicine
<b>ECTS</b>	6.0
<b>Year</b>	2
<b>Semester</b>	Second semester
<b>Subject Type</b>	Compulsory
<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 learning process that has been designed for this subject is based on the following:

The Matter is structured in 30 theoretical sessions of 1 hour each and

30 teaching sessions to small groups of 1 hour each.

## **26712 - Semiotics and basic principles of physiopathology**

Also the teaching of the subject must include 80.5 hours of non-face-to-face teaching.

The content of the theoretical classes will be based on a bibliography previously recommended and adapted to the level of knowledge of the student.

### **4.2.Learning tasks**

**The program offered to the student to help achieve the expected results includes the following activities ...**

Teaching in person 45% 2.70 ECTS (67,50 hours)

I: Large groups: 1.22 ECTS (30.5 hours) 30 theoretical classes

II: Small groups: 1.22 ECTS (30.5 hours) 14 Workshops

III. Seminars

"Every student who performs practical activities in which personal data or the patient's medical history are handled, is obliged to keep the confidentiality of the same"

IV Tutorials: Each teacher will tutor the students of the seminar group assigned to them.

V: Non-face-to-face teaching 55% 3,30 ECTS (82,50 hours)

It is the autonomous work of the student dedicated to the study and preparation of practical cases for his presentation.

### **4.3.Syllabus**

- 1.Introduction to Pathology: General Etiology
2. Nutrition disorders: Obesity, malnutrition, vitamin deficiencies
3. General malignant syndrome and paraneoplastic syndrome

#### Circulatory system

4. Heart Failure
5. Coronary insufficiency
6. Hypertension and hypotension

#### Respiratory Syndromes

7. Respiratory failure

## **26712 - Semiotics and basic principles of physiopathology**

8. Main syndromes bronchopulmonary

9. Pleural Syndromes

### Nervous system

10. Motors syndromes

11. Sensitive Syndromes

12.- Brain Syndromes

13.-Cerebellar and extrapyramidal syndromes

14. Pathophysiology of cerebral circulation, meningeal syndrome and intracranial hypertension syndrome

### Digestive system

15.- Esophageal and gastric syndromes

16. Maldigestion and malabsorption syndromes

17.- Jaundice and liver failure

18.-Portal hypertension

### Endocrinology and Metabolism

19. Pathophysiology of acid-base balance

20. Pathophysiology of metabolism hidrosalin

21. Pathophysiology of carbohydrate metabolism

22. Pathophysiology of lipid metabolism

23. Pathophysiology of metabolism of proteins and purines

24.- Thyroid and Parathyroid syndromes

25.- Adrenal syndromes

### Hematology

26.- General anemic syndrome. Poliglobulias

27.- Pathology of hemostasis

### Nephrology

28. Acute and Chronic renal failure

29.- Nephritic and nephrotic syndromes. Interstitial tubule syndromes

Bases of interpretation of the E.C.G. Main alterations.

## **26712 - Semiotics and basic principles of physiopathology**

- 13. Polyuria
- 14. Edema

### **5 Seminars with the following program**

- 1. Medical history, general examination of the patient, scanning head and neck
- 2. Exploration of the chest and abdomen
- 3. Neurological examination and locomotor
- 4 and 5. Major ECG abnormalities

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

#### **Calendar of face-to-face sessions and presentation of works**

Lectures: 1 theoretical class / group during the appropriate period, in each subject.

Teaching of small groups: 60 hours spread over the school year in subgroups appropriate to the number of students.

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

THE UPDATED BIBLIOGRAPHY OF THE SUBJECT IS CONSULTED THROUGH THE LIBRARY WEB PAGE

<http://psfunizar7.unizar.es/br13/eBuscar.php?tipo=a>