

**COURSE DATA****Data Subject**

<b>Code</b>	34731
<b>Name</b>	Orofacial sensitivity
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	4.5
<b>Academic year</b>	2023 - 2024

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. year</b>	<b>Period</b>
1206 - Degree in Dentistry	Faculty of Medicine and Odontology	2	First term

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1206 - Degree in Dentistry	28 - Orofacial sensitivity	Optional

**Coordination**

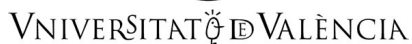
<b>Name</b>	<b>Department</b>
BORRAS BLASCO, CONSUELO	190 - Physiology

**SUMMARY**

The subject describes the physiology of the different sensory organs of the human body as well as the knowledge of the nervous system, pain and analgesia. The last topics are dedicated to the study of the physiology of the eruption of the periodontium from chewing and from occlusion.

**PREVIOUS KNOWLEDGE****Relationship to other subjects of the same degree**

1206 - Degree in Dentistry :



**1210 - Grado de Odontología 2012 :**

#### R4-OBLIGATION TO HAVE SUCCESSFULLY COMPLETED THE COURSE

34696 - Human anatomy

34697 - Biology

34698 - Human physiology

34699 - Biochemistry

34702 - Psychology and communication

34703 - Biostatistics and public health

34696 - Human anatomy

34697 - Biology

34698 - Human physiology

34699 - Biochemistry

34702 - Psychology and communication

34703 - Biostatistics and public health

## Other requirements

## OUTCOMES

## 1206 - Degree in Dentistry

- Conocer el periodonto y los receptores periodontales.

## LEARNING OUTCOMES



The student must have acquired theoretical knowledge and practical skills regarding the topics developed in the subject. She/he must acquire the skills set out in the previous section.

## DESCRIPTION OF CONTENTS

### 1. THEORY

Resting potential.  
Action potential.  
Physiology of nerve fibers.  
General physiology of synapses.  
Skeletal muscle.  
Smooth muscle.  
Sensory receptor.  
Somatic senses.  
Autonomic nervous system.  
View.  
Hearing.  
Chemical senses. Taste and smell.  
Salivation.  
Body temperature.  
Physiology of somatic sensitivity. Orofacial sensitivity.  
Physiology of somatic sensitivity. Somatic senses for pain and temperature.  
Physiology of somatic sensitivity. Somatic senses for pain and temperature.  
Physiology of medullary reflex loops.  
Muscular tone. Regulatory mechanisms of postural activity.  
Control of voluntary movement.  
Waking activity and sleep.  
Instinctive behavior and emotions.  
Higher nerve-rate functions: learning memory and language. Dra. Borrás  
Eruption.  
Periodontist.  
Chewing, swallowing and phonation.  
Occlusion.

**WORKLOAD**

ACTIVITY	Hours	% To be attended
Theory classes	32,00	100
Laboratory practices	11,00	100
Computer classroom practice	2,00	100
Study and independent work	40,00	0
Preparation of evaluation activities	11,00	0
Preparation of practical classes and problem	12,00	0
<b>TOTAL</b>	<b>108,00</b>	

**TEACHING METHODOLOGY**

The presential lessons will correspond to the 44% of the ECTS, while 55% of the remaining hours will be dedicated to the students' autonomous study and work, both, individual or in groups.

In this subject, in the lessons in class, 60% of theoretical classes and 40% of practical classes will be combined (including exam hours). In the theoretical credits (30 hours of class) the teacher will present the contents, methods and techniques for the development of knowledge and skills that students have to acquire. In the practical classes the own abilities will be developed to analyze the sensory functions.

**EVALUATION**

In this matter, the evaluation of student learning will be carried out from the following elements:

- Theory: students will carry out a written exercise consisting of 10 short questions. The assessment obtained in this section constitutes 90% of the final grade.
- Practice: It will be assessed during the practice. The assessment obtained in this section constitutes 10% of the final grade.

It is a requirement to access the advance call for this subject, that the student has taken advantage of all of their practices.

**Students are reminded of the great importance of carrying out evaluation surveys of all the teaching teachers of this subject**



## REFERENCES

### Basic

- Guyton AC, Hall JE. Tratado de Fisiología Médica Ed. Mac Graw-Hill
- Ganong WF. Fisiología Médica Ed. Mc Graw-Hill
- Koeppen BM. Stanton BA. Berne y Levy Fisiología Ed. Elsevier.

### Additional

- Constanzo LS Fisiología Ed. Elsevier
- Conti F. Fisiología Médica Ed. Mc Graw-Hill
- Fox SL. Fisiología Humana Ed. Mc Graw-Hill