



## Information about the subject

**Degree:** Bachelor of Science Degree in Dentistry

**Faculty:** Faculty of Medicine and Health Sciences

**Code:** 480301 **Name:** Oral Medicine

**Credits:** 6,00 **ECTS Year:** 3 **Semester:** 1

**Module:** Module 4: Dental Pathology and Therapeutics

**Subject Matter:** DENTAL PATHOLOGY **Type:** Compulsory

**Field of knowledge:** Health Sciences

**Department:** Dentistry

**Type of learning:** Classroom-based learning

**Languages in which it is taught:** English, Spanish

### Lecturer/-s:

483A	<u>Ana Maria Mingarro De Leon</u> ( <b>Responsible Lecturer</b> )	am.mingarro@ucv.es
	<u>Alexander Pat Proaño Haro</u>	alexander.proano@ucv.es
	<u>Marta Ibor Miguel</u>	marta.ibor@ucv.es
483GIQ	<u>Andrea Rubert Aparici</u> ( <b>English Responsible Lecturer</b> )	andrea.rubert@ucv.es
	<u>Alexander Pat Proaño Haro</u>	alexander.proano@ucv.es



## Module organization

### Module 4: Dental Pathology and Therapeutics

Subject Matter	ECTS	Subject	ECTS	Year/semester
DENTAL THERAPY	66,00	Cosmetic Dentistry	6,00	4/2
		Orthodontics I	6,00	3/2
		Orthodontics II	6,00	4/1
		Paediatric Dentistry I	6,00	4/1
		Paediatric Dentistry II	6,00	4/2
		Pathology and Dental Therapeutics I	6,00	3/1
		Pathology and Dental Therapeutics II	6,00	3/2
		Pathology and Dental Therapeutics III	6,00	4/1
		Prosthodontics I	6,00	3/1
		Prosthodontics II	6,00	3/2
		Prosthodontics III	6,00	4/1
DENTAL PATHOLOGY	60,00	Dental Traumatology	6,00	5/1
		Dentistry in Special Patients	6,00	4/2
		Emergencies in Dentistry	6,00	5/2
		Legal and Forensic Dentistry	6,00	5/1



DENTAL PATHOLOGY	Oral Medicine	6,00	3/1
	Oral Surgery I	6,00	4/1
	Oral Surgery II - Implantology	6,00	5/2
	Pathology of the Temporo-Mandibular Joint and Orofacial Pain	6,00	4/2
	Periodontics I	6,00	3/2
	Periodontics II	6,00	4/2

## Recommended knowledge

- Understand the importance of medical history.
- Know and expand the technical language related to medical and surgical pathological processes.
- Know the general concepts about the disease, the sick person and the care of the sick.
- Acquire a global and integrated vision of the different pathologies of the oral mucosa, as well as general pathology with oral involvement.
- Identify and interpret the main clinical manifestations indicative of disease.
- Distinguish signs of normal and pathological organic functioning
- Acquire basic knowledge of the main medical and surgical pathologies that affect the oral cavity.



## Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 Distinguishes the signs of normal organ function.
- R2 Recognizes and understands the main mechanisms that cause medical and surgical diseases and their impact on the oral cavity.
- R3 Identifies and interprets the main clinical manifestations of the disease and its manifestation in the oral cavity.
- R4 Searches for information in bibliographic sources and knows how to analyze them.
- R5 Makes an adequate clinical history.
- R6 Knows the different parts of the physical examination of the patients.
- R7 The student is capable of making a diagnostic judgement based on the data from the anamnesis and examination.
- R8 The student is capable of optimizing the use of diagnostic and therapeutic resources.
- R9 Knows the pathologies that affect the buccal and maxillofacial region as well as the etiology, epidemiology, pathogenesis, physiopathology, morphopathology, clinical, diagnosis, differential diagnosis, prognosis and treatment of each one of them.
- R10 Applies the knowledge of the basic sciences of the subject to the diagnosis, prevention and treatment of the oral and maxillofacial pathology.
- R11 Knows how to make clear and relevant medical records and conduct thorough clinical examinations to identify the patient who is amenable to implant treatment.
- R12 Knows how to take a detailed clinical history of the patient, identifying his or her pathologies and drawing up the appropriate treatment plan.
- R13 The student is able to complete a complete clinical history and make a full clinical judgment.
- R14 The student is able to transmit knowledge in a precise and correct way.



- R15 The student is able to work in a team.
- R16 Demonstrates ability to recognize that the patient's doubts and concerns are important.
- R17 Demonstrates ability to act according to ethical standards in the face of any possible lawsuit.



## Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

GENERAL	Weighting			
	1	2	3	4
CG1 I aCapacity for analysis and synthesis				X
CG2 I bOrganizational and planning skills			X	
SPECIFIC	Weighting			
	1	2	3	4
CE A 7 Promote autonomous learning of new knowledge and techniques, as well as motivation for quality.	X			
CE A 9 Understand the importance of maintaining and using records with patient information for subsequent analysis, preserving the confidentiality of the data.	X			
CE C 2I Obtain and prepare a medical history containing all relevant information.	X			
CE C 2Knowing how to perform a complete oral examination, including the appropriate radiographic and complementary examination tests, as well as obtaining appropriate clinical references.	X			
CE C 2Be able to make an initial diagnostic judgement and establish a reasoned diagnostic strategy, being competent in the recognition of situations requiring urgent dental care.	X			
CE C 2Establish the diagnosis, prognosis and adequate therapeutic planning in all clinical areas of dentistry, being competent in the diagnosis, prognosis and elaboration of the dental treatment plan of the patient requiring special care, including medically compromised patients (such as diabetics, hypertensive, immunosuppressed, anticoagulated, among others) and patients with disabilities.	X			
CE C 2Recognize life-threatening situations and know how to perform basic life support maneuvers.				X



CE D 2	Know and apply the basic treatment of the most common oral pathology in patients of all ages. Therapeutic procedures should be based on the concept of minimum invasion and on a global and integrated approach to oral treatment.				X
CE D 2	Know how to plan and carry out multidisciplinary, sequential and integrated dental treatments of limited complexity in patients of all ages and conditions and patients requiring special care.				X
CE D 2	Plan and propose the appropriate preventive measures for each clinical situation.				X
CE D 2	Acquire clinical experience under proper supervision.	X			
CE E 3	Recognise the role of the dentist in actions to prevent and protect against oral diseases, as well as in the maintenance and promotion of health, both at individual and community level.	X			

TRANSVERSAL		Weighting			
		1	2	3	4
1. a.	Analysis and synthesis skills				X
1. b.	Organizational and planning capacity			X	
1. c.	Oral and written communication in the native language.			X	
1. d.	Knowledge of a foreign language			X	
1. e.	Computer skills			X	
1. f.	Information management capacity				X
1. g.	Problem solving				X
1. h.	Decision making				X
2. i.	Teamwork				X
2. j.	Multidisciplinary teamwork			X	



2. k.	Work in an international context	x		
2. l.	Interpersonal skills			x
2. m.	Recognition of diversity and multiculturalism		x	
2. n.	Critical Reasoning			x
2. o.	Ethical commitment			x
3. p.	Autonomous learning			x
3. q.	Adaptation to new situations			x
3. r.	Creativity		x	
3. s.	Leadership		x	
3. t.	Knowledge of other cultures and customs		x	
3. u.	Initiative and entrepreneurship			x
3. v.	Motivation for quality			x
3. w.	Sensitivity to environmental and socio-health issues	x		



## Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
	48,00%	MULTIPLE CHOICE TEST: Multiple choice test with one correct answer. This shows to greater extent the contents acquired by the student.
	10,00%	PRACTICAL: Written test in which the student is asked to solve practical exercises, clinical cases or problems about the contents of different subjects.
	10,00%	ASSIGNMENTS: The student, ether individually or in a group, develops a theme which reviews or researches, and he/she presents it, in writing, for assessment by the teacher.
	32,00%	PRACTICAL EXAM: The student carries out a test in which he/she must show by means of practical application the acquisition of certain knowledge. For example, histological or anatomopathological diagnoses, interpretation of images or diagnostic tests.

### Observations

The final written exam will consist of 2 parts, both will be taken on the same day:

1. THEORICAL part with 40 test questions.

Each of them will have 5 answer options (a,b,c,d,e). It will be corrected automatically and for every 3 wrong answers a correct option will be subtracted.

2. PRACTICAL part with 10 images to develop. 10 images of pathologies studied in the syllabus will be projected, and the student will be asked about the diagnosis, treatment, diagnostic tests, etc. To pass the exam, the student must pass both parts independently, with at least a score of 5 in each of the tests. If the exam is not passed, the subject will be pending for the next session of the same academic year. It is stipulated that if any of the two parts of the exam are passed, the grade obtained in that part will be saved for the next call. However, said grade will not be reserved in the case of having the subject pending for the following academic year. In that case, the subject will have to be repeated completely. Including practices.

#### CLINICAL PRACTICES

- Each student will have a total of 6 clinical practices, each lasting 4 hours. (24 hours in total)
- Attendance at practices is mandatory. An absence may be justified (with the reasons included in



the UCV statutes as long as it is communicated 7 days in advance or in the following 15 days), and in that case the failed practice will have to be recovered.

- In the event that there are several absences from practices, or one without justification, the student will not be able to take the final exam, and must go directly to the 2nd call.

- A maximum of 2 unjustified absences is established to be able to appear for the 2nd call of that same year. If more than 3 unjustified absences are made, the student must repeat the subject the next year, without having the possibility of taking any of the current year's exams.

- The student has the obligation to comply with the clinic regulations regarding:

Clothing: Complete white uniform. Cleaned and ironed, Clinic clogs Facility care Behavior Delivery of practice book in agreed time and manner

**FAILURE TO COMPLY WILL RESULT IN A SANCTION/EXPULSION FROM THE PRACTICE.**

### MENTION OF DISTINCTION:

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

## Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- |    |   |
|----|---|
| M1 | Lecture.<br>Problem Solving.<br>Explanation of contents by the teacher.<br>Explanation of knowledge and skills.               |
| M2 | Practical basic sciences laboratory sessions, practical simulation laboratory sessions, virtual hospital and dissecting room. |
| M3 | Problem and case solving.<br>Social action activities.  |



- M4 Group work with research, discussion and filtering information about the degree subjects.
- M6 Discussion and problem solving.
- M8 Oral presentations by students.
- M9 Group work: group work sessions supervised by the teacher. Knowledge building through interaction and activity of students.
- M10 Carrying out bibliographic reviews and practical work experience dissertations.
- M11 Practical in-person classes in clinics linked to the university, where the student will carry out different treatments under direct supervision from the assigned tutor.
- M12 Seminars, supervised monographic classes with shared participation.
- M13 Personal preparation of written texts, essays, problem solving, seminars.
- M15 Personalised Attention. Period of instruction and/or guidance carried out by a tutor with the aim of analysing with the student his/her work, activities and evolution in learning of subjects.



## IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
THEORY CLASS M1	R2, R3, R5, R7, R8, R10, R12	34,00	1,36
PRACTICAL CLINICAL SESSION M11	R10, R13, R15, R16	16,00	0,64
SEMINAR M1	R11, R12, R17	6,00	0,24
TUTORING M15	R2	2,00	0,08
EVALUATION M6	R4, R5	2,00	0,08
PRACTICAL CLASS M3, M6, M10	R8, R9	2,00	0,08
<b>TOTAL</b>		<b>62,00</b>	<b>2,48</b>

## LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
INDIVIDUAL WORK M9	R4, R8	68,00	2,72
GROUP WORK M9, M10	R4, R8, R15	20,00	0,80
<b>TOTAL</b>		<b>88,00</b>	<b>3,52</b>



## Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
Unit 1	<ol style="list-style-type: none"><li>1.Reactive lesions due to mechanical agents in the oral mucosa</li><li>2.Alterations due to chemical agents</li><li>3.Bacterial infections of the oral mucosa</li><li>4.Fungal infections in the oral cavity</li><li>5.Viral infections in the oral mucosa</li><li>6.Recurrent aphthous stomatitis</li><li>7.Oral lichen planus and lichenoid reactions</li><li>8.Cutaneomucosal pathology with manifestations in the oral mucosa</li><li>9.Potentially malignant oral disorders</li><li>10.Oral squamous cell carcinoma</li><li>11.Other malignant soft tissue tumors</li><li>12.Benign tumors of the oral mucosa</li><li>13.Lip pathology and tongue pathology</li><li>14.burning mouth syndrome</li><li>15.Sjogren's syndrome</li></ol>
Intro	-Clinic History



## Temporary organization of learning:

Block of content	Number of sessions	Hours
Unit 1	11,00	22,00
Intro	20,00	40,00

## References

### **BIBLIOGRAFÍA FUNDAMENTAL**

1. Bagán J. Medicina y Patología Bucal. Valencia, Medicina oral, SL. 2023

### **BIBLIOGRAFÍA COMPLEMENTARIA**

2. Bagán JV, Scully C. Medicina y Patología oral. Valencia, Medicina oral, SL. 2006

3. Scully C. Oral and maxillofacial medicine: the basis of diagnosis and treatment. 2n edition. Elsevier, 2008

4. Sapp JP, Eversole LR, Wysocki GP. Patología oral y maxilofacial contemporánea. Madrid Harcourt Brace 19985. Vera Sempere F. Patología de la lengua. Ed. Denes. Valencia 2008.

6. Abbas A, Lichtman AH. Inmunología celular y molecular. Elsevier. 5ª Ed. Madrid

7. Marx RE, Stern D. Oral and Maxillofacial Pathology. Quintessence 2003

8. Camile S. Farah, Ramesh Balasubramaniam, Michael J. McCullough. Contemporary Oral Medicine. A Comprehensive Approach to Clinical Practic. Ed. Elsevier. 2019



## Addendum to the Course Guide of the Subject

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject.

**Situation 1: Teaching without limited capacity** (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

**Situation 2: Teaching with limited capacity** (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

### 1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching. Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

Microsoft Teams

Kaltura



## **Situation 3: Confinement due to a new State of Alarm.**

In this case, the following changes are made:

### **1. Educational Activities of Onsite Work:**

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

Microsoft Teams

Kaltura

Explanation about the practical sessions:

- Each student will have a total of 6 clinical practices, each lasting 4 hours. (24 hours in total)
- Attendance at practices is mandatory. An absence may be justified (with the reasons included in the UCV statutes), and in that case the failed practice will have to be recovered.
- In the event that there are several absences from practices, or one without justification, the student will not be able to take the final exam, and must go directly to the 2nd call.
- A maximum of 3 unjustified absences is established to be able to appear for the 2nd call of that same year. If more than 3 unjustified absences are made, the student must repeat the subject the next year, without having the possibility of taking any of the current year's exams.
- The student has the obligation to comply with the clinic regulations regarding:  
Clothing: Complete white uniform. Cleaned and ironed, Clinic clogs



Facility care

Behavior

FAILURE TO COMPLY WILL RESULT IN A SANCTION/EXPULSION FROM THE PRACTICE.



## 2. System for Assessing the Acquisition of the competences and Assessment System

### ONSITE WORK

#### Regarding the Assessment Tools:

The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.

The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

#### Comments to the Assessment System: