



## Information about the subject

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

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

**Code:** 480413 **Name:** Periodontics II

**Credits:** 6,00 **ECTS Year:** 4 **Semester:** 2

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

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

**Field of knowledge:** Health Sciences

**Department:** -

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

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

### Lecturer/-s:

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Universidad  
**Católica de  
Valencia**  
San Vicente Mártir

## Course guide

Year 2023/2024  
480413 - Periodontics II

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## Module organization

### Module 4: Dental Pathology and Therapeutics

| Subject Matter      | ECTS  | Subject                               | ECTS | Year/semester |
|---------------------|-------|---------------------------------------|------|---------------|
| DENTAL<br>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<br>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 -<br>Implantology                                  | 6,00 | 5/2 |
| Pathology of the<br>Temporo-Mandibular<br>Joint and Orofacial Pain | 6,00 | 4/2 |
| Periodontics I   | 6,00 | 3/2 |
| Periodontics II  | 6,00 | 4/2 |

## Recommended knowledge

The aim of this subject is for students studying dentistry to be able to:

- Identify and adequately diagnose periodontal disease, its classification and treatment.
- Knowledge of surgical techniques focused on the treatment of more advanced periodontal problems: resective, regenerative and mucogingival surgery.
- Knowing how to establish the relationship between the periodontium and the other areas of dentistry.
- Understand the relationship of periodontal problems with systemic pathology, with its preventive and therapeutic approach.
- Identify and diagnose peri-implant pathology and the main associated problems, as well as the therapeutic methods for their resolution.
- Obtain adequate clinical experience in the treatment of the most common periodontal problems under supervision.



## 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 Identifies and interprets the main clinical manifestations of the disease and its manifestation in the oral cavity.
- R2 Knows the classification of periodontal diseases.
- R3 Knows about the exploration of periodontal tissues and preparation of a periodontogram, a specific card with the periodontal records necessary for a correct diagnosis and evaluation of the evolution of the disease.
- R4 Performs periodontal radiological studies and their importance in the diagnosis and prognosis in the evolution of periodontal disease.
- R5 Identifies and diagnoses the different periodontal diseases.
- R6 Establishes periodontal treatment plans.
- R7 Proves knowledge and basic treatment of periodontal diseases.
- R8 Proves knowledge and advanced treatment of periodontal diseases: collagen, resective, regenerative and mucogingival surgery.
- R9 Proves knowledge of the relationship of periodontics with other dental specialties.
- R10 Knows the relationship of periodontology with systemic diseases.
- R11 Knows the importance of maintenance therapy.
- R12 Knows about diagnosis of periodontal diseases as well as the clinical characteristics of each one of them. Shows the ability to make a differential diagnosis and be able to choose the correct treatment plan.
- R13 Recognizes the need to use surgical techniques for the treatment of periodontal disease.
- R14 Studies the importance of periodontal tissues and their relationship in multidisciplinary treatments.



- R15 Understands the importance of maintenance therapy for the proper functioning of periodontal treatment and its duration over time.
- R16 Knows how to take a detailed clinical history of the patient, identifying his or her pathologies and drawing up the appropriate treatment plan.



## 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 2IObtain 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  |
|---|--------------------|--|
|   | 0,00%              | OPEN QUESTIONS: Written exam in which basic theory knowledge and the ability to relate, integrate and coherently express it in writing is assessed.  |
| R1, R2, R7, R8, R9, R10, R11, R13, R14, R15         | 40,00%             | MULTIPLE CHOICE TEST: Multiple choice test with one correct answer. This shows to greater extent the contents acquired by the student.   |
|   | 0,00%              | ORAL TEST: Oral exam in which the student answers the questions the teacher asks, verbally explaining the contents acquired, allowing for interaction with the teacher.  |
| R1, R2, R3, R4, R6, R7, R9, R10, R12, R13, R14      | 5,00%              | PRESENTATION: The student develops by means of an oral presentation, supported with audio-visual materials, a theme or topic given by the teacher. At the end of the presentation, the teacher or audience may ask questions.          |
| R1, R2, R3, R4, R5, R6, R7, R12, R15                | 30,00%             | PRACTICAL: Written test in which the student is asked to solve practical exercises, clinical cases or problems about the contents of different subjects.   |
|   | 0,00%              | ASSIGNMENTS: The student, either individually or in a group, develops a theme which reviews or researches, and he/she presents it, in writing, for assessment by the teacher.  |
| R1, R2, R5, R6, R7, R8, R9, R10, R11, R13, R14, R15 | 5,00%              | CLASS PARTICIPATION: The teacher assesses the participation, involvement and progress the student makes in acquiring knowledge and skills in theory and practical classes and seminars. This is never more than 5% of the final grade. |



0,00%      SIMULATIONS, OSCEs: Through simulations, real-life situations are reproduced in standardised conditions, which enable the teacher to analyse the clinical skills of the student in specific situations. Computer simulations or standardised simulated illnesses are used. The test known as OSCE (Objective Structured Clinical Examination) may also be used. The OSCE consists of students going around a circuit of sequential stops where they are asked to carry out a variety of different skills and techniques.

R3, R4, R7, R8, R12      20,00%      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

### MINIMUM REQUIREMENTS.

In order to pass the course the student must meet the following minimum requirements:

A. Pass a pre-clinical exam with multiple-choice answers (based on theoretical and practical concepts of the subject Periodontics I) in order to be able to access the clinical practicals on patients.

B. The student must pass the clinical practicals with at least a mark of 5 in order to be able to sit the first sitting of the theoretical/practical exam. If the student does not pass, he/she will be given an assignment in order to be able to sit the second exam. This task will consist of writing a review paper on a topic that will be assigned and reviewed prior to the second exam.

The fact of attending all the practicals does not mean that the practicals have been passed. Each practical will be evaluated and agreed by all the teachers taking into account attendance, attitude, material, theoretical concepts and treatment skills. The student must demonstrate the skills acquired in the clinic as well as the ability to treat real patients, elaborating a diagnosis, prognosis, treatment plan and treatment (under the supervision of a teacher). The student is obliged to comply with UCV clinic regulations regarding dress, care of the facilities, and behaviour. Failure to comply may result in expulsion from the internship. The use of mobile phones is not permitted during clinical practice. This may result in failure of the internship. If necessary, a teacher must be kept informed. In addition, the student must have the necessary language skills for patient care in the clinical placement.

Only 1 excused and 1 unexcused absence is allowed out of the total number of practicals (7 practicals per group).

If the absence is justified, the student will be assigned another day to make it up. If the absence cannot be justified, the practice will be marked with a 0 and will be averaged with the rest of the



practices and cannot be made up. Absences can only be justified with the same reasons that the UCV statutes apply to the justification for changing the date of the exam.

In case of exceeding the maximum number of absences allowed, the student will not be able to take the first exam. If the student has more than 2 unexcused absences, the course will have to be retaken the next year, without the option of being able to sit any exams. If the student only attends part of the practical and not all of it on the same day, it will count as an unexcused absence.

The practice notebook must be handed in on the assigned date on the first day of class. If it is not handed in on time, the student will have to sit the second sitting directly. It is necessary to hand it in in order to be able to sit the second sitting.

C. The group work must be uploaded on the platform and presented in an oral presentation by all members of the group on the date assigned on the first day of class. In case of not presenting it on time, the student will have to go directly to the second call. It must be submitted in order to be able to sit the second sitting.

D. Pass the practical and theory exam. This will consist of 40 theoretical questions and 10 practical multiple-choice questions (0.33 will be deducted for each wrong question). The subject will not be passed if both parts are not passed, nor will an average be made between the two. For this reason, the final mark will be the mark of the failed exam with the lower score.

The syllabus used for grading will be based on the knowledge taught during the course of the subject both in the theoretical and practical classes and all those bibliographical references exposed both on the platform and in the teaching guide (books, reference articles, etc.).

2. CRITERIA FOR THE AWARDING OF HONOURS. If circumstances so require, a special test may be established to determine those students deserving of an honours degree, taking into account the limitation of 5% of the students enrolled. In the second and subsequent examinations, only the number of honours that may remain after the first examination may be awarded.

3. DEVELOPMENT OF THE SUBJECT IN SECOND AND SUCCESSIVE ENROLMENTS: There will be a specific group for students who are not first enrolled if they exceed the occupancy limit of the classroom and a teacher in charge of this group. The teacher in charge of this group will carry out 6 monitoring and tutoring sessions of 2 hours each. The competences to acquire the skills and abilities of the subject will be acquired through all the practices foreseen for the subject. In each session the subject will be developed in such a way as to reinforce the work of the competences that each student needs to be able to pass the subject. If the student has already done the practicals in previous enrolments, it will not be compulsory to do them, these will only be for those students who have never done them. As well as the rest of the requirements such as group and individual work. If the student has not passed the internship, he/she will have to take it again. The evaluation of contents and skills will be carried out in the exam set in the official calendar for this subject and the final mark will be the one obtained in the exam.



## MENTION OF DISTINCTION:

According to Article 22 of the Regulations governing the Evaluation and Qualification of UCV Courses, the mention of "Distinction of Honor" may be awarded by the professor responsible for the course to students who have obtained, at least, the qualification of 9 over 10 ("Sobresaliente"). The number of "Distinction of Honor" mentions that may be awarded may not exceed five percent of the number of students included in the same official record, unless this number is lower than 20, in which case only one "Distinction of Honor" may be awarded.

## 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.<br>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<br>M1                    | R1, R2, R4, R7, R8, R9,<br>R10, R11, R13, R14, R15 | 25,00        | 1,00        |
| PRACTICAL CLINICAL SESSION<br>M3, M12 | R1, R2, R3, R4, R5, R6, R7,<br>R12, R15            | 24,00        | 0,96        |
| SEMINAR<br>M6, M8, M13                | R1, R2, R3, R4, R5, R6, R9,<br>R12, R14            | 6,00         | 0,24        |
| TUTORING<br>M9, M13                   | R1, R2, R3, R4, R5, R6                             | 2,50         | 0,10        |
| EVALUATION<br>M1, M2, M6, M10         | R1, R2, R3, R4, R5, R6                             | 2,50         | 0,10        |
| <b>TOTAL</b>                          |  | <b>60,00</b> | <b>2,40</b> |

## LEARNING ACTIVITIES OF AUTONOMOUS WORK

|                                     | LEARNING OUTCOMES | HOURS        | ECTS        |
|-------------------------------------|-------------------|--------------|-------------|
| INDIVIDUAL WORK<br>M3, M6, M10, M11 | R1, R2, R3        | 65,00        | 2,60        |
| GROUP WORK<br>M2, M4                | R1, R2            | 25,00        | 1,00        |
| <b>TOTAL</b>                        |                   | <b>90,00</b> | <b>3,60</b> |



## Description of the contents

Description of the necessary contents to acquire the learning outcomes.

### Theoretical contents:

| Content block                       | Contents  |
|-------------------------------------|---|
| Periodontal clinical examination    | <ul style="list-style-type: none"><li>- Introduction to the subject</li><li>- Topic 1: Current Classification of Periodontal Diseases</li></ul>   |
| Clinical and radiographic diagnosis | <ul style="list-style-type: none"><li>Topic 2: Clinical forms of Periodontal Diseases (I)</li><li>Topic 3: Clinical forms of Periodontal Diseases (II)</li><li>Topic 4: Occlusal trauma and Therapy</li><li>Topic 5: Systemic diseases and their relation to Periodontal Disease</li><li>Topic 6: Periodontics in the multidisciplinary environment</li></ul>   |
| Treatments                          | <ul style="list-style-type: none"><li>Topic 7: Periodontal Treatment Surgical Phase: Periodontal Resective Surgery</li><li>Topic 8: Periodontal treatment surgical phase: Osseous surgery</li><li>Topic 9: Regenerative periodontal surgery</li><li>Topic 10: Mucogingival and periodontal plastic surgery</li><li>Topic 11: Peri-implant diseases</li><li>Topic 12: Periodontal supportive therapy</li></ul> |



## Temporary organization of learning:

| Block of content                    | Number of sessions | Hours |
|-------------------------------------|--------------------|-------|
| Periodontal clinical examination    | 5,00               | 10,00 |
| Clinical and radiographic diagnosis | 10,00              | 20,00 |
| Treatments                          | 15,00              | 30,00 |

## References

1. Lindhe's Clinical Periodontology and Implant Dentistry. NP Lang, T Berglundh, WV Giannobile, M Sanz, editores. Oxford: Blackwell-Munksgaard, 2021. 7th ed2. Carranza's Clinical Periodontology. M.G. Newman, H. Takei, P.R. Klokkevold, F.A. Carranza. W.B Saunders Company, 12a ed.
3. Manual SEPA de Periodoncia y Terapeutica en Implantes. 2005 Editorial Medica Panamericana.
4. Periodontology 2000. <http://www.wiley.com/bw/journal.asp?ref=0906-6713> Sociedad Española de Periodoncia y Osteointegracion: <http://www.sepa.es/Revista de Periodoncia y Osteointegracion>: <http://www.sepa.es/estar-al-dia/revista.html> Journal of clinical Periodontology: [www.wiley.com/bw/journal.asp?ref=0303-6979](http://www.wiley.com/bw/journal.asp?ref=0303-6979) Journal Periodontology: [www.joonline.org/loi/jop](http://www.joonline.org/loi/jop)





## 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:

Face-to-face clinical practices will be replaced by presentations by the professor of real clinical cases and a subsequent interactive discussion through the Microsoft Teams platform with the students.

It will be performed:

- Diagnosis of periodontitis in its stages.
- Assignment of the forecast according to Grading
- Identification of risk factors and modifiers
- Establishment and discussion of the treatment plan



## 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                                       |
| Assessment tool      | 5                    | Increases to 10%                     | Microsoft Teams   |
| Works                | 0                    | Increases to 10%                     | The student will send the work to the professor by email. |
| Curricular Practices | 30                   | Decreases to 10%                     | -   |
| Multiple Choice      | 50                   | Increases to 70%                     | -   |

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

#### Comments to the Assessment System:



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# Course guide

Year 2023/2024  
480413 - Periodontics II

