

## 1. BASIC INFORMATION

<b>Course</b>	Medical Surgical Buccal Pathology IV
<b>Degree program</b>	Degree in Dentistry
<b>School</b>	Biomedical Sciences
<b>Year</b>	Fourth
<b>ECTS</b>	4 ECTS
<b>Credit type</b>	Trunk Mandatory
<b>Language(s)</b>	Spanish and English
<b>Delivery mode</b>	Attendance
<b>Semester</b>	Second semester
<b>Academic year</b>	2024/2025
<b>Coordinating professor</b>	Stefania Arena Etcheverry
<b>Professor</b>	

## 2. PRESENTATION

The aim of this Didactic Guide is to guide the student who is studying the subject of **Medical Oral Surgical Pathology IV (PMQB IV) within the** subject of Medical Oral Surgical Pathology, from the Department of Biomedical CC, in the Degree in Dentistry of the European University of Madrid. This discipline is taught in the second semester of the academic year.

Throughout the development of the subject the student acquires both theoretical knowledge and practical skills necessary for the proper interpretation of basic diagnostic methods.

The course schedule combines classroom activities with laboratory practices to allow for the acquisition of integrative knowledge and skills.

It also respects a chronological order that allows the student to progressively acquire knowledge and skills.

In the planning of the PMQB IV curriculum, the general and specific competencies suitable for developing the different levels of surgical learning are clearly defined. The course is taught in Spanish and English given the international nature of our European University of Madrid, providing students with sufficient tools to reach a level of knowledge that allows them to develop their professional work internationally.

The ECTS of this subject includes hours of work with the teacher in theory classrooms (master classes, tutorials, resolution of practical exercises) and hours of work in the laboratory in a traditional simulation environment with preclinical practices, seminars and skills assessment tests.

Provides information on content, objectives, activities, methodology, evaluation criteria and other issues of interest to students. Explains what the student should achieve at the end of the course, how to achieve it and how to verify the results.

The subject Buccal Medical-Surgical Pathology IV studies infectious pathology, its diagnosis and treatment, preprosthetic surgery and dental implants, as well as cystic and tumoral pathology of the jaws.

The subject Buccal Medical-Surgical Pathology IV is a **compulsory core subject** and is taught throughout the fourth year of the Degree in Dentistry, during the second semester, **with 4 ECTS credits**.

### 3. COMPETENCIES AND LEARNING OUTCOMES

#### Core competencies:

- CB2: That students know how to apply their knowledge to their work or vocation in a professional manner and possess the competencies that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study.
- CB3: Students have the ability to collect and interpret relevant data (usually within their area of study) to make judgments that include reflection on relevant social, scientific or ethical issues.
- CB5: That students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

#### Cross-curricular competencies:

- CT1 - Autonomous learning: Process that allows the person to be the author of their own development, choosing the paths, strategies, tools and moments they consider most effective to learn and put into practice independently what they have learned. The autonomous student, in short, selects the best strategies to achieve their learning objectives.
- CT3 - Ability to adapt to new situations: Be able to work under different conditions, different people and in different groups. It involves valuing and understanding different positions, adapting one's own approach as the situation requires.
- CT7 - Awareness of Ethical Values: Ability to think and act according to universal principles based on the value of the person that are directed to their full development and that entails commitment to certain social values.
- CT8 - Information Management: Ability to search, select, analyze and integrate information from diverse sources.

#### General competences:

- CG4- Understand and recognize the social and psychological aspects relevant to the treatment of patients.

- CG14. Know the general processes of the disease, including infection, inflammation, immune system alterations, degeneration, neoplasia, metabolic alterations, and genetic disorders. ....
- CG25. To 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 minimally invasive treatment and on a comprehensive and integrated approach to oral treatment.
- CG27. Proposing and proposing preventive measures appropriate to each clinical situation.
- CG30. 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.

**Specific competencies:**

- SC9. Know the clinical and laboratory diagnostic procedures and tests, know their reliability and diagnostic validity, and be competent in the interpretation of their results.
- SC10. Recognise oral normality and pathology, as well as the evaluation of semiological data.
- SC11. Identify the main reason for appointment and the history of the current disease. Perform a general medical record of the patient and a medical file that accurately reflects the patient's records.
- SC12. Know the behavioural and communication sciences that facilitate the dental practice.
- SC14. Know dental biomaterials: their handling, properties, indications, allergies, biocompatibility, toxicity, waste disposal and environmental impact.
- SC16. Know and use the basic equipment and instrumentation for the practice of dentistry
- SC31. Know the pharmacological bases of the different anaesthetic techniques, both local and general, as well as the role of sedation and general anaesthesia in the management of the dental patient.

**Learning outcomes:**

- RA1: Diagnose diseases with medical-surgical treatment of infections of the oral cavity, maxillary bones and other related tissues.

- RA2: List the stages of the surgical procedure and the factors that condition it.
- RA3: Recognize clinically and radiographically the different oral pathologies in relation to surgery. Recognize the consequences of errors in taking radiographs and their correction.
- RA4: Correctly practice basic incisions and sutures on animal models.
- RA5: Reason for the choice of different diagnostic and surgical techniques
- RA6: Practices exodontics of different degrees of complexity and apicoectomies in inorganic models, following the principles of preprosthetic surgery.
- RA7: Reason for the choice of different surgical treatment plans in patients with different cystic pathologies and underlying tumors at the level of the contents treated in class.
- RA8: Elaborate a diagnostic and treatment sequence for oral lesions.
- RA9: Elaborates a diagnostic protocol and surgical treatment plan with different possibilities for replacement with dental implants.

The following table shows the relationship between the competencies developed during the course and the learning outcomes pursued:

Competencies	Learning outcomes
RA1	CB2, CB3, CT8, CG14, CG26, CG27, CG30, CE9, CE10, CE11
RA2	CB2, CB3, CB5, CT1, CT3, CG14, CG25, CE14, CE16, CE31
RA3	CB2, CB3, CB5, CT1, CT3, CT8, CG4, CG14, CG25, CE9, CE16
RA4	CB2, CT1, CG25, CG26, CE14, CE16, CE31
RA5	CB2, CB3, CB5, CT1, CT3, CT7, CT8, CG4, CG14, CG25, CG27, CE9, CE10, CE11, CE12, CE31
RA6	CB2, CT1, CT3, CG14, CG25, CG26, CE14, CE16, CE31
RA7	CB2, CB3, CB5, CT1, CT7, CT8, CG4, CG14, CG25, CG27, CE9, CE10, CE11, CE14, CE16, CE31
RA8	CB2, CB3, CT1, CT8, CG14, CG25, CG27, CG30, CE9, CE10, CE11, CE16, CE31

## 4. CONTENT

The subject Buccal Medical-Surgical Pathology IV is a **compulsory core subject** and is taught throughout the fourth year of the Degree in Dentistry, during the second semester, **with 4 ECTS credits**.

The subject is organized into three learning units, which in turn are divided into themes (four or five themes depending on the units).

**Units of the subject:**

**Learning Unit 1: Infections of the Oral and Facial Territory**

**Learning Unit 2: Preprosthetic Surgery. Implantology.**

**Learning Unit 3: Cysts and Tumors of the Jaws.**

### UA 1: Infections of the Oral and Facial Territory

- **Topic 1:** Presentation. Dental Infections:
- **Topic 2:** Cellulite
- **Topic 3:** Maxillary Infections. Sinusitis and orosinusual communications.

### UA2 . Preprosthetic Surgery. Implantology.

- **Topic 4:** Implants I. Generalities.
- **Topic 5:** Implants II. Regeneration
- **Topic 6:** Preprosthetic surgery

### UA3: Cysts. Tumors of the jaws.

- **Topic 7: Cysts I:** Cysts of the Odontogenic jaws
- **Topic 8: Cysts II:** Non-Odontogenic jaw cysts and TTO.QX.
- **Topic 9: Tumors I.** Odontogenic Tumors: without Ectomesenquima
- **Topic 10: Tumors II.** Odontogenic Tumors: With ectomesenquima, Ectomesenquimales and non-odontogenic tumors.
- **Topic 11: Review of basic and advanced surgical technique**

## 5. TEACHING-LEARNING METHODOLOGIES

The types of teaching-learning methodologies used are indicated below:

The types of teaching-learning methodologies that will be applied are listed below:

- Master class.
- Case method.
- Cooperative learning.
- Problem-based learning.
- Project-based learning.

## 6. LEARNING ACTIVITIES

Listed below are the types of learning activities and the number of hours the student will spend on each one:

**Campus-based mode:**

Learning activity	Number of hours
Master Class	30 h
Laboratory Practices	12 h
Tutorials	10 h
Self-study and self-employment	30 h
Knowledge and Skills Tests	7 h
Portfolio Configuration	8 h
Asynchronous virtual master classes	3 h
<b>TOTAL</b>	<b>100 h</b>

## 7. ASSESSMENT

Listed below are the assessment systems used and the weight each one carries towards the final course grade:

**Campus-based mode:**

Assessment system	Weight
Test of theoretical knowledge	70%
Portfolio	10%
Theoretical activities	5%
Practical Rubrics	15%

Total	100%
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When you access the course on the *Campus Virtual*, you'll find a description of the assessment activities you have to complete, as well as the delivery deadline and assessment procedure for each one.

## 7.1. First exam period

### 7.1.1. Theory

In order to pass the subject in ordinary convocation it will be necessary to have passed, with a score greater than or equal to 5 (out of 10), both the theoretical knowledge tests and the practical knowledge tests, independently. The arithmetic mean will not be made if both parts are not approved.

- Mandatory requirements:
  - The final theory exam will be taken by a multiple-choice test at the end of the semester and may include questions aimed at the visual identification of images.
  - This exam will consist of 50 multiple choice questions (4 answers with only one correct answer). Successful answers will add 1 point, bad answers will deduct 0.33 points and blank answers will score 0.
  - It is obligatory to answer 80% of the exam questions in order to pass the subject.
  - The final exam date will be scheduled from the beginning of the course.
  - Theoretical activities are not recoverable, since they do not prevent the continuous evaluation of the theoretical part carried out by the student and only suppose additional scores to the final grade of the subject.

### 7.1.2. Practices

The evaluation of the practices will be carried out periodically after each thematic block by means of rubrics.

In order to pass the section of the practices of the subject, it is necessary to obtain a 5 (out of 10)

- Mandatory requirements:

- Attendance at internships is compulsory and those students who accumulate 3 or more FAULTS (even if justified) will lose the score of their Continuing Practical Assessment (internship notebook).
- Failure to carry out the rubrics assessing practices for non-attendance (even if justified) will result in the practice not being scored and will have to be recovered in the final placement examination.
- If, in the answers to the Practice section, the teacher considers that there is a serious error of concept and/or the minimum basic knowledge required, that part of the section will be suspended.
- The overall score of practices must be higher than 5 (approved). In order to approve the internship, the workbook and the internship activities (Headings) must be approved independently.
- If the student does not pass the practices, he will not be able to pass the course. If the Theory is suspended and not the Practices, or vice versa, only the approved part will be kept until the extraordinary convocation in July, and only the suspended part should be examined. The note will not be saved from one course to another.

## 7.2. Second exam period

In order to pass the subject in ordinary convocation it will be necessary to have passed, with a score greater than or equal to 5 (out of 10), both the theoretical knowledge tests and the practical knowledge tests, independently. The arithmetic mean will not be made if both parts are not approved.

## 8. REGULATIONS FOR THE ASSESSMENT OF ACCREDITED UNDERGRADUATE DEGREES AT UNIVERSIDAD EUROPEA DE MADRID

### Article 1 - 4. Continuous assessment

Students taking campus-based studies are required to demonstrate that they have attended at least 50% of their classes. Such attendance forms an essential part of the assessment process and is necessary to give the student the right to receive guidance, assistance and academic supervision from the professor. For such purposes, students must use the technological system put in place by the University to accredit their daily attendance at each of their classes. This system shall furthermore ensure that objective information is gathered regarding the active role of the student in the classroom. The failure to use the methods proposed by the University to demonstrate 50% attendance will give the professor the right to grade the course as a fail under the ordinary exam period. The foregoing does not affect other requirements of higher attendance percentages that each school may establish in their teaching guides or internal regulations.



Therefore, it is the authority of the professor that students who have not fulfilled the 50% of attendance in the ordinary call must pass all the evaluation tests in the extraordinary call, for which they must obtain a grade greater than or equal to 5.0 out of 10.0 in all of them (Faculty Board 11-07-23).

#### Article 6 - 12. Final grades

Any student that uses or benefits from unlawful means during an evaluation test or that unduly attributes the author of the academic work required for the assessment will be graded as a “fail” (0) and may similarly be the object of a sanction, subject to the opening of disciplinary proceedings. In the case of the Final Graduation Project, the plagiarism or the lack of originality of the project, will automatically be graded as a “fail” (0) in the corresponding course in both ordinary and extraordinary periods. Likewise, the student will lose their status as a student during six months according with the General Standards for Graduation Projects and Master’s Thesis in its Article 5.

## 9. SCHEDULE

This table shows the delivery deadline for each assessable activity in the course:

Assessable activities	Deadline
Test of theoretical knowledge	May -June 2025
RUBRICS OF PRACTICAL ACTIVITIES	. Practice 1: 13-14/03/25 . Practice 2: 27-28/03/25 . Practice 3: 24-25/04/25
Continuous Evaluation of Theoretical Activities	. Infections: 20-21/02/25 . Implants: 20-21/03/25 . Cysts: 8-9/05/25 . Tumors: 22-23/05/25
PRACTICE NOTEBOOK	May june 25

This schedule may be subject to changes for logistical reasons relating to the activities. The student will be notified of any change as and when appropriate.

## 10. BIBLIOGRAPHY

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### Recommended reference books in English:

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### Complementary bibliography:

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- *Quintessence International*. Spanish edition.
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## **11. DIVERSITY MANAGEMENT UNIT**

Students with specific learning support needs:

Curricular adaptations and adjustments for students with specific learning support needs, in order to guarantee equal opportunities, will be overseen by the Diversity Management Unit (UAD: Unidad de Atención a la Diversidad).

It is compulsory for this Unit to issue a curricular adaptation/adjustment report, and therefore students with specific learning support needs should contact the Unit at [unidad.diversidad@universidadeuropea.es](mailto:unidad.diversidad@universidadeuropea.es) at the beginning of each semester.

## **12. ONLINE SURVEYS**

Your opinion matters!

The Universidad Europea encourages you to participate in several surveys which help identify the strengths and areas we need to improve regarding professors, degree programs and the teaching-learning process.

The surveys will be made available in the “surveys” section in virtual campus or via e-mail.

Your assessment is necessary for us to improve.

Thank you very much for your participation.