

1. BASIC INFORMATION

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|------------------------|---------------------------------------|
| Course | Medical and Surgical Oral Pathology I |
| Degree program | Degree in Dentistry |
| School | Biomedical Sciences |
| Year | Third |
| ECTS | 6 |
| Credit type | Trunk Mandatory |
| Language(s) | Spanish and English. |
| Delivery mode | Attendance |
| Semester | First semester |
| Academic year | 2025-2026 |
| Coordinating professor | Dra. Stefania Arena |

2. PRESENTATION

The objective of this Didactic Guide is to guide the student who is taking the course of Medical Oral Surgical Pathology I (PMQB I) within the subject of Medical Oral Surgical Pathology, from the Department of Biomedical CC, in the Degree of Dentistry of the European University of Madrid. This discipline is taught in the first 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 I 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 (the practical sessions are conducted in Spanish in all groups) 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.

This guide 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 I studies indications of surgical therapeutics, medical-surgical materials, oral surgery techniques and dentofacial radiological procedures and techniques.

The subject Buccal Medical-Surgical Pathology I is a compulsory core subject and is taught throughout the third year of the Degree in Dentistry, during the 1st semester, with 6 ECTS credits.

3. LEARNING OUTCOMES

KNOWLEDGE:

CON11 To be aware of general disease processes and their treatment, including infection, inflammation, immune system alterations, degeneration, neoplasia, metabolic alterations and genetic disorders.

CON15 Recognise the role of the dentist in the prevention and protection against oral diseases, as well as in the maintenance and promotion of health, both at individual and community level.

CON25 Know the clinical and laboratory diagnostic procedures and tests, know their reliability and diagnostic validity and be competent in the interpretation of their results.

CON26 Know the behavioural and communication sciences that facilitate dental practice.

CON27 To understand dental biomaterials: their handling, properties, indications, allergies, biocompatibility, toxicity, waste disposal and environmental impact.

CON37 To understand 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.

Subject-specific knowledge

- To know the steps and systematics for carrying out a correct clinical examination.
- List the stages of the surgical procedure and the factors that condition it.
- To recognise clinically and radiographically the different oral pathologies in relation to surgery.
- Recognise the consequences of errors in radiography and their correction.
- Reasoning the choice of different diagnostic and surgical techniques.
- Reasoning the choice of different surgical treatment plans in patients with various underlying pathologies at the level of the contents covered in class.

SKILLS:

HAB13 Propose and propose preventive measures appropriate to each clinical situation.

HAB16 Acquire pre-clinical experience under appropriate supervision in simulated environments.

HAB18 Know and use basic equipment and instrumentation for dental practice.

Subject-specific skills

- Take a medical history to identify systemic problems (cardiovascular, haemorrhagic, allergic, etc.) that may modify the dental treatment and may endanger the patient's life.
- Correctly practice basic incisions and sutures on simulated models.
- Practice exodontia of different degrees of complexity on simulated models.

COMPETENCES:

CP02 Recognise oral normality and pathology, as well as the evaluation of semiological data.

CP03 Identify the main reason for consultation and the history of the current disease. Take a general medical history of the patient and a clinical record that accurately reflects the patient's records.

CP04 Manage, discriminate and select appropriate materials and instruments in dentistry.

CP17 Identify patients requiring special care, recognising their characteristics and peculiarities.

CP44 Integrate analysis with critical thinking in a process of evaluating different ideas or professional possibilities and their potential for error, based on objective evidence and data leading to effective and valid decisionmaking.

4. CONTENT

- Exploration and diagnosis
- Anaesthesia
- Exodontia
- Surgical act
- Tooth retention

5. TEACHING-LEARNING METHODOLOGIES

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

- MD1 Lecture
- MD4 Problem-based learning
- MD8 Simulation environments

6. LEARNING ACTIVITIES

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

| Learning activity | Number of hours |
|---------------------|-----------------|
| AF1 Lectures | 27 |
| AF4 Problem solving | 5 |

| | |
|---|------------|
| AF6 Report and writing preparation | 5 |
| AF8 Workshop and/or laboratory activities | 30 |
| AF10 Self-directed work | 80 |
| AF12 On-site evaluation exams | 3 |
| TOTAL | 150 |

7. ASSESSMENT

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

| Assessment system | Weight |
|------------------------------|-------------|
| SE1 On-site evaluation exams | 45% |
| SE4 Case study / problem | 15% |
| SE6 Performance assessment | 30% |
| SE8 Lab/workshop notebook. | 10% |
| TOTAL | 100% |

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.

Furthermore, in order to take the final exam, you must have attended at least 50% of the scheduled classes and activities, as established in the course guide. This requirement applies regardless of whether the absences are justified or not. If the percentage of absences exceeds this limit, they cannot be justified in any case and this will imply the impossibility of passing the subject in that call.

7.1.2. Practices

The evaluation of the practices will be carried out periodically after each thematic block by means of 5 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
- 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 grade for practicals must be higher than 5 (pass), and each practical rubric must be passed separately, without averaging them.
- 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. SCHEDULE

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

| Assessable activities | Deadline |
|---|---|
| Test of theoretical knowledge | January 2026 |
| PRACTICAL ACTIVITIES EVALUATION | . Rubric 1: Clinical H. and XR: 25-26/9/25 - Rubric 2: Anesthesia: 16-17/10/25 - Rubric 3: Exodontia: 30-31/10/25 - Rubric 4: Surgical Act: 13-14/11/25 - Rubric 5: Retained teeth: 4-5/12/25 |
| Continuous Evaluation of Theoretical Activities | . Theoretical Activities 1 y 2 and 3: 11 november 2025 . Theoretical Activities 4 y 5: 9 december 2025 |

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

9. BIBLIOGRAPHY

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- M. DONADO, Implantology Anatomy. Barcelona Editorial Ars Medica. 2003. ISBN: 84-9751-016-X

Recommended reference books in English:

- CRISPIAN SCULLY, (2013) Oral and Maxillofacial Medicine. Churchill Livingstone, Elsevier.
- JOSEPH REGEZI, SCIUBBA AND JORDAN (2012) Oral Pathology: Clinical and Pathologic Correlations. Elsevier.
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- DAVID WRAY (2003) Textbook of General and Oral Surgery. Churchill&Livingston, Elsevier
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<http://www.quintpub.com/journals/omi/gp.htm>

- *Journal of Oral and Maxillofacial Surgery.* <http://www.joms.org>*

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10. EDUCATIONAL GUIDANCE, DIVERSITY AND INCLUSION UNIT

From the Educational Guidance, Diversity and Inclusion Unit we offer support to our students throughout their university life to help them reach their academic achievements. Other main actions are the students' inclusions with specific educational needs, universal accessibility on the different campuses of the university and equal opportunities.

From this unit we offer to our students:

1. Accompaniment and follow-up by mean of counselling and personalized plans for students who need to improve their academic performance.
2. In terms of attention to diversity, non-significant curricular adjustments are made in terms of methodology and assessment for those students with specific educational needs, pursuing an equal opportunity for all students.
3. We offer students different extracurricular resources to develop different competences that will encourage their personal and professional development.
4. Vocational guidance through the provision of tools and counselling to students with vocational doubts or who believe they have made a mistake in their choice of degree.

Students in need of educational support can write to us at:

orientacioneducativa@universidadeuropea.es

11. 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 on virtual campus or via e-mail.

Your assessment is necessary for us to improve.

Thank you very much for your participation.