

## 1. BASIC INFORMATION

<b>Course</b>	ORAL SURGICAL MEDICAL PATHOLOGY III
<b>Degree program</b>	Degree in DENTISTRY (Eng)
<b>School</b>	Biomedical and Health Sciences.
<b>Year</b>	Fourth
<b>ECTS</b>	4 ECTS
<b>Credit type</b>	MANDATORY
<b>Language(s)</b>	ENGLISH
<b>Delivery mode</b>	FACE TO FACE
<b>Semester</b>	FIRST SEMESTER
<b>Academic year</b>	2024/2025
<b>Coordinating professor</b>	Carmen Martín Carreras-Presas

## 2. PRESENTATION

Medical-Surgical Pathology III is a compulsory subject that belongs to the specifically dental Pathology and Therapeutics module. In the Dentistry Degree, 4 ECTS credits have been assigned and it has been given a practical theoretical character with laboratory practices. It will be taught in the fourth year of the Dentistry degree, having an important relationship with the subjects of the previous year, specifically with Surgical Medical Pathology II and General Medical Pathology. The study of the subject of medical-surgical pathology III, addresses all the pathologies that settle in salivary glands, bone, temporomandibular joint and orofacial pain. The epidemiology, etiopathogenesis, clinic, diagnosis, differential diagnosis and treatment of each entity are analyzed.

## 3. COMPETENCIES AND LEARNING OUTCOMES

### Basic or Core competencies:

- BC2: That students know how to apply their knowledge to their work or vocation in a professional way and possess the skills that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study.
- BC3: That students have the ability to gather and interpret relevant data (normally within their area of study) to make judgments that include a reflection on relevant issues of a social, scientific or ethical nature.
- BC5: That students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

### Transversal or Cross-curricular competencies:

- TC1 - Autonomous Learning: Process that allows the person to be the author of their own development, choosing the paths, strategies, tools and moments that they consider most

effective to learn and independently put into practice what they have learned. The autonomous student, in short, selects the best strategies to achieve her learning objectives.

- TC3 - Ability to adapt to new situations: Being able to work under different conditions, different people and in different groups. It involves evaluating and understanding different positions, adapting one's own approach as the situation requires.
- TC7 - Awareness of ethical values: Ability to think and act according to universal principles based on the value of the person that are aimed at their full development and that entails a commitment to certain social values.
- TC8 - Information management: Ability to search, select, analyze and integrate information from various sources.

#### **Specific competencies:**

- SC9. Know the procedures and clinical and laboratory diagnostic tests, know their reliability and diagnostic validity and be competent in the interpretation of their results.
- SC10. Recognize normality and oral pathology, as well as the evaluation of semiological data.
- SC11. Identify the main reason for consultation and the history of the current disease. Carry out a general clinical history of the patient and a medical record that faithfully reflects the patient's records.
- SC12. Know the behavioral and communication sciences that facilitate dental practice.
- SC13. Manage, discriminate and select the appropriate materials and instruments in dentistry.
- •SC14. Know dental biomaterials: their handling, properties, indications, allergies, biocompatibility, toxicity, waste disposal and environmental impact.
- SC18. Provide a global approach to oral care and apply the principles of health promotion and prevention of oral and dental diseases.
- SC19. Educate and motivate patients in the prevention of oral and dental diseases, control pathogenic oral habits, instruct them on proper oral hygiene, dietary and nutritional measures and, in short, on all methods of maintaining oral health.
- SC20. Know the effects of tobacco on oral health and participate in measures that help patients who want to quit smoking.
- SC29. Know the oral manifestations of systemic diseases.
- CE39. Identify the patient who requires special care, recognizing their characteristics and peculiarities

#### **General competencies**

- GC4 Understand and recognize the social and psychological aspects relevant to the treatment of patients.
- GC14 Know the general processes of the disease, including infection, inflammation, alterations of the immune system, degeneration, neoplasia, metabolic alterations and genetic disorders.
- • GC25 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 minimal invasion and on a global and integrated approach to oral treatment.
  
- • GC27 Plan and propose appropriate preventive measures for each clinical situation.
- • GC30 Recognize the role of the dentist in prevention and protection actions against oral diseases, as well as in the maintenance and promotion of health, both at an individual and community level

#### **Learning outcomes:**

- LO.1- Carry out a clinical history that allows the identification of systemic problems (cardiovascular, hemorrhagic, allergic, etc.) that may modify dental treatment and may endanger the patient's life.

- LO.2- Acquire knowledge and experience in all clinical examination methods.
- LO.3- Diagnose diseases with medical treatment of the oral mucosa, maxillary bones, salivary glands and other adjoining tissues.
- LO.4- Know in depth the systemic diseases with oral repercussion.
- LO.5- Carry out the prevention and early diagnosis of general diseases with orofacial repercussions.
- LO.6- Reason the choice of different diagnostic and surgical techniques.
- LO.7-Reason the choice of different surgical treatment plans in patients with various underlying pathologies at the level of the contents covered in class.
- LO.8- Prepare a diagnostic and treatment sequence for oral lesions.

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

Competencies	Learning outcomes
BC2, BC3, BC5, GC4, GC14, GC25, TC1, TC3, TC7, TC8, SC11, SC12, SC39	LO1
BC2, BC3, BC5, TC1, TC3, TC7, TC8, SC9, SC13	LO2
BC 2, BC 3, BC 5, GC25, TC1, TC3, TC7, TC8, SC9, SC10	LO3
BC2, BC 3, BC5, GC14, GC25, TC1, TC3, TC7, TC8, SC10, SC18, SC20, SC29	LO4
BC2, BC3, BC5, GC25, GC27, GC30, TC1, TC3, TC7, TC8, SC18, SC20	LO5
BC2, BC3, BC5, TC1, TC3, TC7, TC8, SC9, SC14	LO6
BC2, BC3, BC5, GC14, TC1, TC3, TC7, TC8, SC39	LO7
BC2, BC3, BC5, TC1, TC3, TC7, TC8, SC19, SC39	LO8

## 4. CONTENT

1. Bullous lesions of the buccal mucosa (I)
2. Bullous lesions of the buccal mucosa (II)
3. Exophytic lesions. Tumors and pseudotumors
4. Pretumoral lesions. leukoplakia
5. Physical-chemical injuries
6. Cancer of the mucosa (I)
7. Cancer of the mucosa (II)
8. Pathology of the tongue
9. Pathology of the lips
10. Pathology of the floor of the mouth
11. Pathophysiology of the salivary glands
12. Dry Mouth Syndrome
13. Sialadenitis
14. Sialadenosis. Sjogren's syndrome
15. Sialadenomegaly
16. Orofacial pain. Concept. pathophysiology
17. Neurogenic pain. essential neuralgia

18. Symptomatic neuralgia
19. Somatic pain. Muscle pain and others
20. Burning Mouth Syndrome
21. Motor disturbances. Facial paralysis.
22. Connective diseases and their repercussion in the oral cavity.
23. Oral manifestations of endocrinopathies
24. Oral manifestations of metabolic diseases.

## 5. TEACHING-LEARNING METHODOLOGIES

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

- Master class.
- Case method.
- Roll Playing
- Seminars/ Debate

## 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
Masterclass	24h
Seminar/ Discussion	4h
Case Method	24h
Tutorials	10h
Roll-playing	3h
Test of Knowledge	2h
Autonomous Work study	33h
<b>TOTAL</b>	<b>100h</b>

## 7. ASSESSMENT

### SPECIFIC REGULATION

The evaluation system is through continuous evaluation during the semester in which the subject is taught. There are individual ratings for objective tests and group ratings for clinical cases. Each student has four qualifications: Group work grade (30%), Triptych (10%) Assessment test grade 1 (20%), Final exam grade (40%).

The student who does not take one of the tests will have a grade of 0. To pass the subject, the student must have a grade of 5 or higher.

As it is a continuous evaluation, class attendance is essential as well as the completion of all clinical cases throughout the duration of the semester, this being an essential requirement to pass the subject.

Group work qualification: Each case presented will be evaluated by the professor. (Minimum threshold for average will be 5 points). The student who presents the case will be chosen on the fly by the teacher so that all members of the group must learn the case and be prepared to present it.

The qualification will be the same for all the members of the group. If a student does not attend the day of the presentation of the case, they will have a 0. Only one excused absence is allowed and the justification must be delivered the week following the absence.

The evaluation of the clinical case is based on the rubric system. Individual qualification: Two tests will be carried out:

a) The first test that will cover little matter and that will consist of a question and a clinical case of those studied in class. It has no minimum threshold.

b) The second test at the end of the semester with 5 questions: 3 theoretical, 2 clinical cases. It will cover all the matter studied. The minimum threshold for averaging will be 5 points. The student who does not take one of the tests will have a grade of 0. To pass the subject, the student must have a grade of 5 or higher grade.

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

**Campus-based mode Face to face modality:**

Assessment system	Weight
Final Test of knowledge	40%
Midterm	20%
Case method	30%
Triptych	10%

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.

Each student has four qualifications: Group work grade (30%), Triptych (10%) Assessment test grade 1 (20%), Final exam grade (40%)

**7.1. First exam period: Ordinary call**

To pass the course in the first exam period, you must obtain a final course grade of at least 5 out of 10 (weighted average).

Individual qualification: Two tests will be carried out:

a) The first test that will cover little matter and that will consist of a question and a clinical case of those studied in class. It has no minimum threshold.

b) The second test at the end of the semester with 5 questions: 3 theoretical, 2 clinical cases. It will cover all the matter studied. The minimum threshold for averaging will be 5 points. The student who does not take one of the tests will have a grade of 0.

In any case, you will need to obtain a grade of at 5.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

Each student has four qualifications: Group work grade (30%), Triptych (10%) Midterm (20%), Final exam grade (40%)

### 7.2. Second exam period or Extraordinary call:

To pass the course in the second exam period, you must obtain a final grade of at least 5 out of 10 (weighted average).

In any case, you will need to obtain a grade of at 5.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

The exam will consist of 5 questions: 3 theoretical, 2 clinical cases. It will cover all the matter studied. The minimum threshold for averaging will be 5 points.

The student must have carried out all the activities and cases of the continuous evaluation in order to pass the subject

The student must deliver the activities not successfully completed in the first exam period after having received the corresponding corrections from the professor, or those that were not delivered in the first place.

Each student has four qualifications: Group work grade (30%), Triptych (10%) Midterm (20%), Final exam grade (40%)

## 8. SCHEDULE

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

Assessable activities	Deadline
Mucosal pathology classes, precancer and cancer. Clinical cases of these topics.	Week 1 to 6
Pathology of pain and clinical cases	Week 7-9
TMJ Pathology	Week 10
Bone pathology and clinical cases	Week 11
Pathology of salivary glands and clinical cases associated with these issues	Week 12-14
Systemic pathology and oral repercussion. Pathology of the elderly. Associated clinical cases	Week 15-18
Activity 6. Objective multiple choice test – intermediate. Midterm	Week 6
Activity 7. Final test	Week 19

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.

## 9. BIBLIOGRAPHY

The main reference work for this subject is:

**BOOKS:**

- Bagán Sebastián JV. Medicina Bucal. Medicina Oral SL. 2011.
- Bascones A. Medicina Bucal. Madrid: Ed Avances-Ariel, 3ª ed. 2004.
- Cawson RA y Odell EW. Fundamentos de Medicina y Patología Oral. 8ª Edición. Elsevier. 2009.
- Wood NK y Goaz PW. Diagnóstico diferencial de las lesiones orales y maxilofaciales. Harcourt Brace. 1998.

**ATLAS**

- Bagán Sebastián JV. Atlas de enfermedades de la mucosa oral. Barcelona: Syntex Latino, 1995.
- Laskaris G. Atlas de enfermedades orales. Barcelona: Masson, 2005.
- Pindborg JJ. Atlas de enfermedades de la mucosa oral. Barcelona: Salvat, 1994.
- Strassburg M, Knolle G. Mucosa Oral. Atlas a color de enfermedades. Madrid: Marbán, 1996

## **10. EDUCATIONAL GUIDANCE AND DIVERSITY UNIT**

From the Educational Guidance and Diversity 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 means 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 opportunities 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](mailto: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 in virtual campus or via e-mail.

Your assessment is necessary for us to improve.

Thank you very much for your participation.