

1. BASIC INFORMATION

Course	Advanced Periodontics
Degree program	Degree in Dentistry
School	Health Science Department
Year	Fourth Year
ECTS	4 ETCS/48H
Credit type	Compulsory
Language(s)	Spanish and English
Delivery mode	Onsite/Online
Semester	First Semester
Academic year	2024/2025
Coordinating professor	Itziar Alonso Andreu
Professor	Paola Vila Ortego

2. PRESENTATION

Advanced Periodontics is a subject of the fourth-year course of the Dentistry degree that is developed in the first semester of the course, with a value of 4 ECTS. This subject, which is mandatory within the Degree, provides advanced and specific training on the concept of the patient's periodontium. Both its anatomy that is basic to know the types of disease that can be found in the oral cavity, surgical procedures to treat the various periodontal pathologies, medication and instruments used to carry out the different treatments in patients. Knowledge is provided when making a correct diagnosis in the patient and being able to perform the appropriate treatment in each case.

The schedule of the subject combines the activities or seminars that are carried out, the theory taught in the classroom, to allow integrative knowledge and skills. It also respects a chronological order that allows the student to acquire knowledge and skills progressively.

In the curriculum of the subject of Advanced Periodontics, the general and specific competencies appropriate to develop the different levels of learning in the subject are clearly defined. The subject is taught in Spanish and English given the marked international character of the European University of Madrid, providing students with sufficient tools to achieve a level of knowledge that allows them to develop their professional work internationally. The ECTS of this subject include hours of work of the teacher in theory classrooms (master classes, tutorials, clinical cases and resolution of practical exercises) and activities carried out online.

3. COMPETENCIES AND LEARNING OUTCOMES

Core competencies:

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

Cross-curricular competencies:

- CT1: Autonomous Learning: A 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: being able to work under different conditions, different people and in varied groups. It involves assessing 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 who are directed to their full development and that entails the commitment to certain social values.
- CT8 - Information management: Ability to search, select, analyze and integrate information from diverse sources.

Specific competencies:

- CE9. Understand the importance of maintaining and using records with patient information for further analysis, preserving the confidentiality of the data.
- CE12. Understand and recognize the normal structure and function of the stomatognathic apparatus, at the molecular, cellular, tissue and organic levels, at different stages of life.
- CE13. Understand and recognize the biomaterial sciences essential for dental practice as well as the immediate management of possible allergies to them.
- CE14. Know the general processes of the disease, including infection, inflammation, immune system disorders, degeneration, neoplasia, metabolic disorders and genetic disorders.
- CE15. Be familiar with the general pathological characteristics of diseases and disorders that affect organic systems, specifically those that have oral repercussions.
- CE16. Understand the fundamentals of action, indications and efficacy of drugs and other therapeutic interventions, knowing their contraindications, interactions, systemic effects and interactions on other organs, based on the available scientific evidence.
- CE17. Understand and recognize the principles of ergonomics and safety at work (including cross-infection control, radiation protection and occupational and biological diseases).
- CE20. Obtain and prepare a medical history that contains all the relevant information.

- CE21. Knowing how to perform a complete oral exam, including the appropriate complementary radiographic and examination tests, as well as obtaining adequate clinical references
- CE22. Having the capacity to prepare an initial diagnostic judgment and establish a reasoned diagnostic strategy, being competent in the recognition of situations that require urgent dental care.
- CE23. Establish the diagnosis, prognosis and adequate therapeutic planning in all the clinical areas of Dentistry, being competent in the diagnosis, prognosis and elaboration of the dental treatment plan of the patient that requires special care, including medically compromised patients (such as diabetics, hypertensive patients) , immunosuppressed, anticoagulated, among others) and patients with disabilities.
- CE27. Pose and propose appropriate preventive measures for each clinical situation.
- CE30 Recognize the role of the dentist in the actions of prevention and protection against oral diseases, as well as in the maintenance and promotion of health, both at an individual and community level.

Learning outcomes:

- LO1: Knowledge of the anatomy, physiology and histology of the periodontium of periodontal diseases.
- LO2: Knowledge necessary for the Periodontal diagnosis: Complete periodontal study, periodontogram, radiographic series and index.
- LO3: Knowledge about the classification of periodontal diseases and treatment.

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

Competencies	Learning outcomes
CB2, CB3, CB5, CT1, CT4, CT7, CT8, CT9, CE3, CE12, CE14, CE15, CE16, CE17, CE20, CE27, CE30	LO1
CB1, CB2, CB4, CB5, CT1, CT3, CT7, CT8, CT9, CE1, CE3, CE9, CE13, CE17, CE20, CE21, CE22, CE23	LO2

4. CONTENT

THEORETICAL CONTENT:

Unit 1. Basic periodontology Review

Anatomy of the periodontium, periodontal diseases, diagnosis and treatment.

Unit 2. Basic versus surgical periodontal treatment.

Diagnosis and treatment planning more appropriate, non-surgical or surgical.

Unit 3. Occlusion in Periodontics

Occlusal trauma in periodontal patients. Diagnosis and correct treatment.

Unit 4. Conventional Surgery.

Diagnosis of periodontal diseases and types of conventional surgery. Performing these techniques and deciding the correct treatment for each patient.

Unit 5. Mucogingival

Surgical Diagnosis of mucogingival surgery. Types of grafts, grafting techniques and postoperative results.

Unit 6. Regenerative surgery.

Vertical and horizontal periodontal bone defects. Types of regeneration and regenerative materials. Diagnosis of regenerable defects and technique for performing the treatment.

Activities:

Activity 1 : Review of the Basic Periodontics and answer a questionnaire

Activity 2 : Review topics 4, 5 and 6 and clinical cases that arise and answer a questionnaire on periodontal diagnosis.

5. TEACHING-LEARNING METHODOLOGIES

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

- Articles
- Clinical Cases
- Videos of surgical procedures
- Theory content

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
AF1 Master class	2.4 ECTS 60h
AF7 Tutorials	0.5 ECTS 12H
AF11 Seminars	0.3 ECTS 7.5H
AF18 Study and self-employment	4.8 ECTS 5H
AF19 Knowledge and skills test	0.3 ECTS 120h
TOTAL	75 H

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
Theoretical Test Knowledge	80%
Activity 1	10%
Activity 2	10%
TOTAL	100%

When you access the course on BLACKBOARD, 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

Ordinary Call:

The theoretical part will have 80% of the final grade of the subject, having to pass the partial with a grade of 5 or higher to average with the rest of the parts of the subject.

The student who does not approve the partial in ordinary call, will have the opportunity to recover it in extraordinary call.

2nd Assessment of the development and results of the teaching activities (active methodologies) carried out online (20% of the grade)

Two online activities will be carried out during the semester. The first online activity will be carried out by reviewing theoretical topic 1 and answering a test with a series of questions on that topic.

The second online activity is about clinical cases. It will evaluate what the student has learned during the course and studying the different types of periodontal diseases that we will study during the course.

These two online activities will average, having to be approved separately with a grade of 5 or higher. This average will count 20% of the total grade of the subject.

The student who has not passed any of these two activities, will be able to recover them at the end of the semester on a set day to do it, which appears in the schedule of each class. If you still have not overcome it in ordinary call, you can recover it in extraordinary call.

FINAL GRADING

The final grade of the subject will be obtained with the sum of the different parts that we have evaluated throughout the semester:

- Theoretical part: a partial type test that must be passed with a grade of 5 or higher to average the rest of the sections of the subject. This theoretical part will represent 80% of the total grade of the subject.
- Online activities part: the student must pass the two activities that we will perform during the course with a grade of 5 or higher. These activities average each other and will account for 20% of the final grade for the subject.

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

CHAPTER I. COURSE ASSESSMENT SYSTEM FOR ACCREDITED UNDERGRADUATE DEGREES

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.

7.2. Second exam period

Extraordinary Call:

The student will present an extraordinary call for tests / activities not passed with a grade greater than or equal to 5 points during the course.

During the follow-up period, tutorials will be carried out on the theoretical part of the subject and may consult all kinds of questions about the agenda. Online activities will be recovered that have not been exceeded or have not been carried out in ordinary call.