

## 1. BASIC INFORMATION

<b>Course/Module</b>	Introduction to the Dental Clinic and Ergonomics
<b>Degree Program</b>	Degree in Dentistry
<b>College/School</b>	Facultad de Ciencias Biomédicas y Deporte
<b>Year</b>	1st
<b>Credits (ECTS)</b>	6 ECTS
<b>Credit type</b>	Basic
<b>Language(s)</b>	English and Spanish
<b>Delivery mode</b>	On campus
<b>Semester</b>	S2
<b>Academic year</b>	2025-2026
<b>Coordinating professor</b>	

## 2. PRESENTATION OF THE COURSE

Students receive information related to dental nomenclature and terminology, the most common diseases in oral cavity, treatments, concepts of instrumental and basic dental equipment, risk prevention, systems of hygiene disinfection and sterilization, and ergonomic concepts. This course, therefore, immerses the student in dental practice, laying the essential and basic foundations upon which they will build their future professional career.

## 3. LEARNING OUTCOMES

### Knowledge:

CON10. Understand and recognize the science of biomaterials essential for dental practice, as well as the immediate management of possible allergies to them.

- List basic dental terminology and common dental nomenclature.
- Describe the role of dental caries and periodontal disease, as well as the main rehabilitative treatments.
- List basic clinical instruments and equipment.

CON14. Understand and recognize the principles of ergonomics and safety at work (including cross-infection control, radiation protection, occupational and biological diseases).

- Identify hazards and their prevention in dental work.
- Express the role of ergonomics in dentistry.

### Skills:

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

- Apply the ergonomics developed in the subject in pre-clinical practice.

### Competences:

CP06. Know the scientific principles of sterilisation, disinfection and antisepsis necessary to prevent cross-infection in dental practice.

CP17. Apply the principles of ergonomics in dental work, both individually and within the work team when appropriate, as well as in the principles of prevention of occupational hazards associated with dental practice.

CP71. 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 decision-making.

CP72. Adapt to adverse, unexpected situations that cause stress, whether personal or professional, overcoming them and even converting them into opportunities for positive change.

## 4. CONTENTS

The contents of the course/module are listed below:

- Introduction to the subject. Dental terminology and nomenclature.
- Introduction to dental caries and periodontal disease. Main rehabilitative dental procedures. Introduction to planning and standardisation of dental procedures.
- Basic clinical instruments, clinical equipment and the dental laboratory.
- Introduction to risks and their prevention in dental work. Disinfection and sterilisation of instruments in the dental clinic. Waste treatment.
- Ergonomics in dentistry and working postures in dentistry.
- Teamwork in the dental clinic I from an ergonomic point of view.

## 5. TEACHING-LEARNING METHODOLOGIES

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

- Lecture.
- Problem-based learning.
- Project-based learning.
- Learning based on workshop teaching.
- 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:

**Campus-based mode:**

Learning activity	Number of hours
Lectures	25
Practical seminars	5
Problem scenario	10

Oral presentations	2
Written reports	7
Research and projects	8
Workshops/lab work	25
Independent working	60
In-person assessment tests	2
Academic advising	6
<b>TOTAL</b>	<b>150</b>

## 7. CONTINUOUS ASSESSMENT

Each assessable learning activity represents an opportunity for the student to make progress, receive feedback, and consolidate knowledge, skills, and competences. The Learning Outcomes outlined in this guide provide direction for this process and serve as benchmarks for their achievement.

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

### Campus-based mode:

Assessment system	Weight (%)
In-person assessment tests	50-60%
Case study/problem scenario	5-10%
Written reports	5-10%
Performance assessment	5-40%
Oral presentations	5-10%

In the Virtual Campus, when you access the corresponding course/module you will find information regarding the evaluation systems, including the due dates and the procedures applicable to each of them.

### 7.1. First exam period

In order to pass the course/module in the ordinary call, the student must obtain a grade greater than or equal to 5.0 (out of 10), in all the evaluation systems proposed in this guide. The final grade will be calculated from the weighted average of all the evaluation systems described.

If in any of the evaluation systems proposed in this guide, a grade lower than 5.0 (out of 10) is obtained, the final grade of the course/module will be “fail” even if, in the result of the weighted average, a value higher than 5.0 (out of 10) is obtained. In the latter case, the course/module would still be “failed” obtaining a final grade of 4.0 (out of 10).

### *Delivery of activities*

Compliance with deadlines is essential to ensure the fairness and planning of the training process.

In case of not submitting an evaluable formative activity in due time and form, and without prior justification, it will not be evaluated and, therefore, will be recorded as “not submitted”.

The student is encouraged to communicate with sufficient time in advance to the teacher of the course/module, any difficulty that may affect their participation in any activity.

### *Attendance*

Active participation in the training sessions is a key component of learning. In order to pass the course/module, at least 50% attendance is required. If this minimum percentage is not reached, the teacher may consider the course/module as “failed”, according to the evaluation regulations of the Universidad Europea de Andalucía.

## **7.2. Second exam period**

The extraordinary exam offers a new opportunity for students to demonstrate their learning. To pass it, it will be necessary to obtain a final grade (weighted average) equal to or higher than 5.0 (out of 10.0).

### *Delivery of activities*

The student must submit and pass those mandatory training activities not delivered or not passed in the ordinary call, respecting the new deadlines established. In case of failure to comply with these new deadlines, the activity will not be evaluated and, therefore, will be recorded as “not presented”.

## **8. SCHEDULE**

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

<b>Evaluable training activities</b>	<b>Date</b>
In-person assessment tests	June 2026
Case study/problem scenario	April-May 2026
Written reports	May 2026
Performance assessment	June 2026
Oral presentations	April 2026

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. REFERENCES**

Recommended references are listed below:

- Lozano De Luaces. V. 2000. *Control de las infecciones cruzadas*. Editorial Avances Médico Dentales S.L.
- Echevarria García JJ. 2008. *Manual de Odontología* (2ª Edición). Editorial Masson.
- Dorland NW. 2005. *Diccionario enciclopédico ilustrado de Medicina* (30ª edición). Editorial Elsevier.
- Cardenal. 1992. *Diccionario Terminológico de Ciencias Médicas* (13ª Edición). Editorial Elsevier – Masson.
- Llena Puy C. 2009. *Instrumental e Instrumentación en Odontología Conservadora y Endodoncia (Cuadernos de Clínica Dental nº2)*. Ediciones Especializadas Europeas S.A.
- Bartolomucci Boyd LR. 2009. *Instrumental odontológico. Guía Práctica* (3ª edición). Editorial Elsevier-Saunders.
- Bascones A. 1998. *Tratado de Odontología*. Editorial Smith Kline Beecham.

## 10. AREA OF GUIDANCE, DIVERSITY AND INCLUSION

The Area of Guidance, Diversity and Inclusion (ODI) offers support to students throughout their university career, with the aim of facilitating their academic and personal development and supporting them in achieving their goals. This Area focuses its work on three Core pillars: the inclusion of students with specific educational support needs, the promotion of universal accessibility in the educational community and the guarantee of equal opportunities for all.

Among the services offered are:

- **Academic accompaniment and monitoring**, through counselling and the development of personalised plans aimed at those who need to improve their academic performance.
- **Attention to diversity**, through the implementation of non-significant curricular adjustments - in methodological and Assessment aspects - for students with specific educational support needs, in order to guarantee equal opportunities.
- **Extracurricular training resources**, aimed at developing personal and professional Competencies that contribute to the integral growth of students.
- **Vocational guidance**, through the provision of tools and advice to those who have concerns about their choice of Degree or are considering a change in their educational path.

Students in need of educational support can contact the Area via the following email address: [orientacioneducativa@universidadeuropea.es](mailto:orientacioneducativa@universidadeuropea.es)

## 11. ONLINE SURVEYS

Participating in the Satisfaction Surveys is an enriching opportunity to contribute to the continuous improvement of the Degree as well as the institution. Thanks to them, it is possible to identify which aspects of academics, teaching staff and the teaching-learning process are working well and which can be further improved.

With the aim of encouraging active participation in the completion of surveys among students, various channels of dissemination have been set up. The surveys are available in the space provided on the Virtual Campus and are also sent by email to facilitate access.

The responses collected allow decisions to be made that have a direct impact on the quality of the learning experience and on the day-to-day life of the university community.