

INDIRECT ADHESIVE RESTORATIONS, INLAY, ONLAY AND OVERLAY. FROM DESIGN TO CEMENTATION



Campus UIC Campus Sant Cugat	Calendar and schedule 24 ,25th October 2025 Friday, 10.00 a.m. to 7.00 p.m. Saturday, 9.00 a.m. to 2.00 p.m.	Language English	Information and admission Marta Utset contact number & WhatsApp: +34 930 192 304 infodonto@uic.es
Tuition fee € 675		Mode of delivery onsite	

Minimally invasive adhesive restorations are becoming increasingly essential in modern dentistry, offering effective, aesthetic, and conservative solutions for tooth reconstruction.

This hands-on course is designed for dental professionals who want to deepen their theoretical knowledge and practical skills in indirect restorations such as inlays, onlays, and overlays.

The course provides a step-by-step approach to restoring teeth with structural loss using indirect adhesive techniques.

Participants will learn how to select the appropriate type of restoration, design it correctly, and understand the full workflow from tooth preparation to cementation.

Key topics include biomechanics, adhesive concepts, immediate dentin sealing, build-up techniques, impression-taking, materials for reconstruction and cementation, and both classic and modern cementation protocols.

This course is ideal for those seeking clinical excellence and confidence in minimally invasive restorative dentistry.

WHY ENROLL IN THIS RESTORATIVE DENTISTRY COURSE?

- Master tooth isolation techniques: Gain the skills to effectively isolate teeth, ensuring a clean and controlled working field.
- Build-up and dentine sealing done right: Learn how to perform accurate core build-ups and immediate dentine sealing for long-lasting restorations.
- Precision in restoration design: Understand the principles behind designing inlays, onlays, and overlays tailored to each clinical case.
- Comprehensive knowledge of materials: Familiarize yourself with the various restorative materials available and learn how to choose the most suitable one.
- Cementation techniques you can trust: Acquire hands-on experience with two distinct inlay cementation techniques to ensure optimal clinical outcomes.



The **Faculty of Dentistry at UIC Barcelona** is the first and only Spanish university accredited by the **American Dental Association** as provider for Continuing Education.

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TARGET

This course is essential for general dentists and stomatologists.

MODE OF DELIVERY

The course will predominantly be practical. Each practical session will be preceded by a theoretical session, based on the literature, which will describe the forthcoming practical session.

ASSESSMENT METHOD

An online self-assessment test will be carried out at the end of the course so that students can assess the achievement of their personal goals and their knowledge of the content of the course.



Learn to design inlays, onlays, and overlays with precision for every clinical case.

Responsible Department

Restorative Dentistry Area
Faculty of Dentistry

Course Coordinators

Dr Marta Vallés
Dr Anaïs Ramírez



Course objectives

The purpose of this course is to teach students the practical and theoretical skills to restore teeth that have experienced loss of dental structure through the use of indirect adhesive restorations. Throughout the course we will teach students the criteria to choose the different indirect restorations, how to design them correctly, as well as the different forms of provisionalisation and cementation that can be used.

Throughout the course students will learn the following concepts:

- Biomechanics and tooth characteristics.
- Concepts of adhesion.
- Capped teeth Inlays and crowns. Minimally invasive restorations.
- Reconstruction material.
- Design of the various inlays
- Concept of “Immediate Dentin Sealing”.
- Build up.
- Provision restorations.
- Taking impressions.
- Material for the cementation of indirect restorations.
- Techniques for undertaking indirect restorations.
- Cementation techniques.

COURSE PROGRAMME: 24 & 25 OCTOBER 2025

The course will predominantly be practical. Each practical session will be preceded by a theoretical session, based on the literature, which will describe the forthcoming practical session.

24 th OCTOBER 2025

DESIGN AND CUT OF INLAYS

- Explanation of the different types of inlays, their design and indications.
- Cutting inlays, onlays and overlays in large plaster models, in order to learn how to design them correctly.
- Undertaking diagnosis of the type of inlay necessary for different lesions, on a typodont.
- Undertaking correct isolation and explanation of the concept: “Sealing dentine immediately”.
- Building up, or resetting the edges and cutting the inlays of the different teeth to be treated,
- Explanation of the different types of material in order to create an inlay and discussion of the material necessary for each treatment.

25 th OCTOBER 2025

PROVISIONALISATION AND CEMENTATION OF INLAYS

- Different types of impression-making
- Provisionalisation of indirect restorations.
- Techniques for undertaking indirect restorations.
- Cementation of the inlays with dual cementation.
- Cementation of the inlays with photopolymerised cementation and ultrasounds.
- Adhesive systems: Adhesion and cementation for indirect restorations.

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CAMPUSES OF UIC BARCELONA

The teaching activities of the Faculty of Dentistry are conducted at the Sant Cugat campus, encompassing over 24,000 m2 . Our facilities are equipped with the latest state-of-the-art equipment, supporting both theory and practical classes.

THE PURSUIT OF EXCELLENCE IS IN OUR DNA, AND EFFORT AND PERSERVERANCE ARE OUR DRIVERS FOR CHANGE

RANKINGS

Key rankings for the Universitat Internacional de Catalunya.



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 <p>1st position nationally in the field of Dentistry</p>	 <p>2nd position nationally</p>
 <p>3rd position nationally</p>	 <p>2nd position nationally in the field of Dentistry</p>

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